

APPENDIX 8.3
Hazardous Materials Documentation



September 8, 2015

Mr. Alan Toffoli
De Nova Homes
3 Hughes
Irvine, California 92618

BVNA Project No. 25015-015276.00

Subject: Phase I Environmental Site Assessment
929 Baker Street
Costa Mesa, California

Dear Mr. Toffoli:

Bureau Veritas North America, Inc. is pleased to present our Phase I Environmental Site Assessment report for the above-referenced subject property.

We appreciate the opportunity to be of service. If you have any questions, please me at (714) 431-4133 or by e-mail at Shannon.Gillespie@us.bureauveritas.com.

Sincerely,

Bureau Veritas North America, Inc.
Health, Safety and Environmental Services

Shannon Gillespie, REPA
Manager, Due Diligence & Regulated Building Materials
Health, Safety and Environmental Services
Los Angeles Regional Office

Bureau Veritas North America, Inc.

Health, Safety, and Environmental Services

1665 Scenic Avenue, Suite 200

Costa Mesa, California 92626

Main: (714) 431-4100

Fax: (714) 825-0685

www.us.bureauveritas.com/hse



Phase I Environmental Site Assessment

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Project Number 25015-015276.00

Prepared for:
De Nova Homes
3 Hughes
Irvine, California 92618

Prepared by:
Bureau Veritas North America, Inc.
Los Angeles Regional Office
1665 Scenic Avenue, Suite 200
Costa Mesa, California 92626
714.431.4100
www.us.bureauveritas.com/hse

The purpose of this report is to assist you, the client, in your responsibility to establish and maintain a health, safety or environmental program to prevent illness and injury to your employees and others. Our activities and recommendations are a supplement to and not a substitute for, any part of your own responsibilities and activities. These services are based upon information supplied by client management and conditions that are readily observable, and should not be relied upon exclusively to prevent all possible illnesses, injuries or losses.



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EXECUTIVE SUMMARY

De Nova Homes retained Bureau Veritas North America, Inc. (BVNA) to conduct a Phase I Environmental Site Assessment (“ESA” or “Assessment”) located at 929 Baker Street in Costa Mesa, Orange County, California (the “subject property”). The objective of the Assessment was to provide an independent, professional opinion regarding *recognized environmental conditions*, as defined by ASTM, associated with the subject property. This Assessment was requested in association with the potential purchase of the subject property. The planned use for the subject property is redevelopment with residential units.

This Assessment was performed under the conditions of, and in accordance with BVNA’s Proposal Number 2509.15.581, dated August 6, 2015, and ASTM International Practice E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Any exceptions to, additions to, or deletions from the ASTM Practice are described in the report. Details of the work performed, sources of information, and findings are presented in the report. Limitations of the Assessment are described in Sections 1.2 and 1.3.

The approximately 4.7-acre subject property is developed with a self-storage building containing approximately 88,800 square feet of interior floor space. The remainder of the subject property consists of asphalt-pavement for storage of RVs, trailers and boats, asphalt driveways and exposed soil.

The historical research presented in this Assessment has established the *obvious* uses of the subject property since 1901. In addition, information on historic uses of adjoining properties was also obtained.

The subject property was unimproved from at least 1901 until sometime prior to 1938, when it was in agricultural use. By 1963, the subject property was developed with two industrial-type buildings, which were occupied by Costa Mesa Knitting Mills, Deltronic Corp, Frank’s Garage and Hi-Precision Grinding. By 1986, the subject property was developed with the existing building occupied by Baker Self Storage, the current tenant.

The adjoining properties were unimproved from at least 1901 until sometime prior to 1938, when it was in agricultural use. By 1963, the west adjoining property was developed with the existing single-family residences. By 1977, the east adjoining property was developed with two structures associated with the existing Newport Mesa School District Maintenance Yard. The north adjoining property was developed with the existing single-family residences by 1987. The south adjoining property was developed with the existing sports fields by 1977.

Based on a review of the information presented in this Assessment, BVNA presents the following relevant findings and opinions:

- **Former Agricultural Use** – The subject and adjoining properties appeared to be in agricultural use from at least 1938 until sometime prior to 1963. Based on available information, it is BVNA’s opinion this represents a *recognized environmental condition*, as defined by ASTM, with respect to the subject property.
- **Former Industrial Use** – The subject property was in industrial use from at least 1956 until 1986. City directories listed the subject property as being occupied by Costa Mesa Knitting Mills, Deltronic Corp, Frank’s Garage and Hi-Precision Grinding in 1966. In 1970, it was listed as Deltronic Corp and Lido Van & Storage. No releases have been reported in associated with these businesses. Based on available information, it is BVNA’s opinion this represents a *recognized environmental condition*, as defined by ASTM, with respect to the subject property.



Executive Summary

(Continued)

- **Former Onsite Waste Oil and Hazardous Waste**— According to Mr. Bill Steel with Samuels, Green & Steel, LLP, two 55-gallon drums of waste oil were removed from the subject property in June 2015. One of the drums was not covered, resulting in filling and overflowing with water. Oily water impacted the surrounding soil. Environmental Logistics removed the drums and impacted soil. However, reports documenting this cleanup were not provided. According to a waste manifest from Filter Recycling Services, dried latex, roof tar, aerosols, sodium hydroxide solid, photo chemicals, oil-impacted soil, oily water, used oil, and empty drums were removed from the subject property in June 2015. The materials were from storage units. Based on available information, it is BVNA's opinion this represents a *recognized environmental condition*, with respect to the subject property.
- **East Adjoining LUST** – Newport Mesa Unified School District, located at 2985 Bear Street on the east adjoining property, was identified in the SWEEPS UST, CA FID UST, LUST, HIST UST, HIST CORTESE, NPDES, RCRA-CESQG, and WDS databases reviewed. According to the SWEEPS UST database, there are four USTs operating at the site. According to the LUST database, a release of kerosene, Stoddard solvent/mineral spirits or distillates occurred into soil in 1990. This release received closure in 1990. No other information pertaining to this release was available. In 1997, one 10,000-gallon and one 5,000-gallon diesel-containing, one 10,000-gallon gasoline-containing, one 500-gallon waste oil-containing and one 280-gallon waste oil-containing UST were removed. All USTs were visibly intact, except for the 500-gallon waste oil containing UST. The tanks were replaced with one 10,000-gallon gasoline-containing UST and one 15,000-gallon diesel-containing UST. Soil sampling found gasoline-range total petroleum hydrocarbon (TPHg) and methyl tert-butyl ether (MTBE) was present near the dispenser island and underground piping. The highest concentrations of contaminants were found between 10 and 30 feet below ground surface (bgs). In 2007, an air sparging/soil vapor extraction (AS/SVE) and 19 monitoring wells were installed at the site. The site remains in active remediation. The nearest monitoring well to the subject property is MW-18, approximately 125 feet east and crossgradient from the subject property. According to the quarterly monitoring reports, contaminants were not detected in MW-18. Based on available information, this represents a *recognized environmental condition*. Refer to Section 9.0 of the report for further discussion on relevant findings and *recognized environmental conditions* (if any) associated with the subject property.

Based on the results of this Assessment, additional investigation to assess the impacts of former agricultural use, oil release, and prior industrial use appears warranted at this time. Observations should be made during the development of the subject property including, but not limited to, areas that may contain underground structures, buried debris, waste drums, and stained or odorous soils. If areas of possible contamination or buried debris are encountered during redevelopment, they should be properly handled. Stained soil, if encountered, should be removed and properly disposed.



1.0 INTRODUCTION

De Nova Homes retained Bureau Veritas North America, Inc. (BVNA) to conduct a Phase I Environmental Site Assessment (“ESA” or “Assessment”) located at 929 Baker Street in Costa Mesa, Orange County, California (the “subject property”). The planned use for the subject property is redevelopment with residential units.

1.1 PURPOSE

The purpose the assessment is to follow ASTM International Practice E1527-13 (practice), which defines good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitation on CERCLA liability (the landowner liability protections or LLPs); that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice as defined at 42 U.S.C. 9601(35)(B). The term *recognized environmental conditions* is defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at the 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 *recognized environmental conditions*.

1.2 METHODOLOGY

This Assessment was performed under the conditions of, and in accordance with BVNA’s Proposal Number 2509.15.581, dated August 6, 2015, and ASTM International Practice E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The United States Environmental Protection Agency (USEPA) has determined that the ASTM E1527-13 standard is consistent with the requirements for conducting All Appropriate Inquiry (AAI) and may be used to comply with the AAI regulations (40 Code of Federal Regulations [CFR] Part 312). The methods and terms are as defined in the ASTM standard and AAI regulations.

The Assessment included the following components:

- Review information provided by the client. This includes that information required by the Standard with respect to “User Responsibilities” as well as other information provided (e.g., Environmental Liens, Activity and Use Limitations [AULs], Specialized Knowledge).
- Review selected information on general geology and topography of the subject property, local groundwater conditions, and proximity to ecologically sensitive receptors, such as streams, that might be impacted by *recognized environmental conditions*.
- Investigate historical use of the subject property through reasonably ascertainable ASTM Standard Historical Sources for evidence of prior land use that could have led to *recognized environmental conditions*. These Standard Historical Sources may include: aerial photography, United States Geological Survey (USGS) topographic maps, fire insurance maps, local street directories, property tax files, building department records and zoning/land use records. Unless otherwise specified by the client/proposal this did not include a review of recorded land title records.
- Review of environmental records available from the client, property owner or site contact for evidence of *recognized environmental conditions* and AULs. This includes helpful documents such as regulatory agency reports, permits, registrations, previous assessments, etc.



- Review a commercial database summary of ASTM Standard Federal, State, and Tribal regulatory agency records pertinent to the subject property and offsite facilities located within ASTM-specified search distances from the subject property.
- Review of reasonably ascertainable Federal, State, Tribal and Local environmental agency case files for onsite facilities identified in the database summary report and/or during the site reconnaissance that have the potential to adversely impact the subject property.
- Conduct an interview with at least one staff member of any one of the following: local fire department, local health department, local building department, or State/Local environmental agency. This individual was asked about their personal knowledge of the subject property, with the questioning directed to identifying *recognized environmental conditions*. For example, if the site includes a known leaking underground storage tank (LUST) incident, the State agency LUST Program Project Manager for the facility may be the person interviewed under this portion of the scope of services.
- Conduct interviews with the subject property owner (or their designated *Key Site Manager*) and occupants regarding current and previous uses of the subject property, particularly with respect to activities involving hazardous substances and petroleum products. Past owners, operators and occupants were also interviewed to the extent they were identified and their information was not likely to be duplicative. In cases of abandoned properties, where there is evidence of uncontrolled access, this included interviews with Owners/Occupants of one or more neighboring properties (subject to availability).
- Conduct an onsite reconnaissance of the subject property for visual evidence of *recognized environmental conditions*, including, but not limited to: existing or potential soil and water contamination, as evidenced by soil or pavement staining or discoloration, unnaturally stressed vegetation, or indications of waste dumping or burial; pits, ponds, or lagoons; containers of hazardous substances or petroleum products; electrical and hydraulic equipment that may contain polychlorinated biphenyls (PCBs), such as electrical transformers and hydraulic hoists; underground and aboveground storage tanks (USTs and ASTs, respectively); etc.
- A determination of the sources of water, power, and sewer service at the subject property.
- Perform a subject property line visual reconnaissance of adjacent properties for evidence of potential offsite environmental conditions that may affect the subject property.
- Evaluate information gathered during the Assessment to reach conclusions concerning *recognized environmental conditions* and prepare this report.

This Assessment did not include considerations of “Non-ASTM” issues (e.g., asbestos-containing building materials, radon, lead-based paint).

This Assessment did not include sampling or analysis of soil, groundwater or other materials.

A BVNA representative, Art Reynoso, conducted the site walkthrough portion of the Assessment on August 24, 2015, accompanied by Ms. Tammy Sorensen, subject property owner. (Note: This individual has been associated with the subject property for 29 years). This Assessment was performed under the responsible charge of Shannon Gillespie, an *Environmental Professional* as defined in §312.10 of 40 CFR 312 (see Section 11.0).

Copies of selected relevant documents and supporting information are included in the applicable appendices. See the Table of Contents for a list of Appendices. Resumes for assessors and *Environmental Professionals* involved in this Assessment are included in the Appendices. Photographs taken at the time of the walkthrough are included behind the *Photographs* Tab.



1.3 EXCEPTIONS & LIMITING CONDITIONS OF ASSESSMENT

Information for the Assessment was obtained from the sources listed in the Appendices. This information, to the extent it was relied on to form our opinion, is assumed to be correct and complete. BVNA is not responsible for the quality or content of information from these sources.

1.3.1 Unavailable Documentation

Requested documentation regarding the subject property was made available for review, except the following:

- Orange County Health Care Agency Records, if any
- Orange County Fire Authority Records, if any

BVNA has not received a response to the above-noted request(s) as of the date of this report.

1.3.2 Lack of Access/Reconnaissance Limitations

BVNA did not encounter significant access or reconnaissance limitations at the subject property except the following:

- Individual storage units were not accessed with the exception of a few vacant units.

No opinion regarding environmental conditions in areas that were not observed can be formed. It is BVNA's opinion that the access/reconnaissance limitation(s) listed above did not likely impede an evaluation of the subject property with respect to *recognized environmental conditions*.

1.3.3 Data Gaps

The ASTM Standard requires that the report identify the following: 1) *obvious* uses of the subject property since 1940 or first development, whichever is *earlier*; and 2) significant "data gaps" which affect the ability of the Environmental Professional to identify *recognized environmental conditions*. The report is also to include information on the sources consulted to address the data gaps.

Historical subject property ownership and/or use information was obtained for the time period 1901 to present. Based on this information, BVNA has established the history of *obvious* uses of the subject property since 1940 or first development, whichever is *earlier*. No significant data gaps (or other data gaps warranting discussion) were encountered during this Assessment.

1.4 RELIANCE

The information and opinions rendered in this report are exclusively for use by De Nova Homes. BVNA will not distribute or publish this report without consent except as required by law or court order. The information and opinions expressed in this report are given in response to a limited assignment and should be considered and implemented only in light of that assignment. The services provided by BVNA in completing this project were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.

2.0 USER PROVIDED INFORMATION

ASTM E1527-13 defines "User" as the party seeking to use Practice E1527 to complete an environmental site assessment of the subject property. BVNA understands that De Nova Homes is the *User* as defined by ASTM E1527-13. ASTM E1527-13 specifies that certain tasks associated with identifying potential *recognized environmental conditions* at the subject property should be performed by the *User* and provided to the Environmental Professional (i.e., *User Responsibilities*). Accordingly, BVNA provided the *User* a questionnaire, requesting specific information (see Appendices).



The User Questionnaire included requests for information on the following: environmental liens and AULs that are filed or recorded against the property; “specialized knowledge” of the *User*; relationship of the purchase price to the fair market value of the property if it were not contaminated; commonly known or reasonable ascertainable information; 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; the presence of *Proceedings Involving the Property* (e.g., litigation, regulatory agency rulings, violations); and the reason for performing the Phase I ESA, and other information/documents (e.g., site plan, ALTA survey).

Based on BVNA’s review of the *User* provided information, no readily apparent evidence of potential *recognized environmental conditions* at the subject property was noted.

BVNA’s understands that the *User* intends to purchase the subject property.

3.0 SUBJECT PROPERTY DESCRIPTION

3.1 LOCATION

The subject property is located at 929 Baker Street in Costa Mesa, Orange County, California (Figure 1, *Figures Tab*). The subject property includes approximately 4.7 acres and is developed with an approximately 88,000-square foot building, and, for purposes of discussion in this report, will be considered to be comprised of one parcels. It is bounded by the following streets: Baker Street to the north.

3.2 CURRENT USE OF SUBJECT PROPERTY

A description of the current uses and improvement(s) (if any) at the subject property is presented in the following table(s):

Parcel/Street Address (including known historic address[es])	929 Baker Street, Costa Mesa, California APN 141-242-03
Owner:	Ms. Tammy Sorenson
Number and Size of Buildings:	One approximately 88,800-square foot building.
Construction Date(s):	A portion of the building was originally constructed in 1956, with additions constructed between 1958 and 1985.
Tenants:	929 Baker Self-Storage
Current Usage:	The property is being used as a self-storage, RV, trailer and boat storage facility.
Areas Inspected:	Exterior of the subject property, the main office and a few of the vacant units were inspected.

3.3 CURRENT USES OF ADJOINING/NEARBY PROPERTIES

The area surrounding the subject property consists of residential and commercial development. Adjoining and nearby properties were observed (from the subject property or from public access areas) for



evidence of potential *recognized environmental conditions* and their potential to pose an environmental concern to the subject property (Figure 1, *Figures Tab*). The uses and features of adjoining properties are described below (by relative compass direction and across adjoining roadways):

North		
Company/Facility Name	Address	Type/Relevant Observations (if any)
Baker Street, beyond which is Sommerset Apartments.	Multiple addresses	Apartment complex

East		
Company/Facility Name	Address	Type/Relevant Observations (if any)
Newport Mesa School District Education Center	2985 Bear Street	Education center and administrative offices

South		
Company/Facility Name	Address	Type/Relevant Observations (if any)
Sonora Elementary School	966 Sonora Road	School

West		
Company/Facility Name	Address	Type/Relevant Observations (if any)
Single-family residences	2998-2958 Milbro Street, 950 and 951 Post Road	Residential

Information regarding historical or other documented uses of nearby properties that may pose an environmental concern to the subject property is discussed in Sections 4.0 and 6.0, respectively.

3.4 PHYSICAL SETTING

The “physical setting” of the subject property was assessed through a review of the following: USGS Topographic Map, visual observations at the subject and nearby properties, and selected additional documentation (e.g., soil survey, geotechnical reports, previous Phase II assessment, interviews with local personnel, etc.). General information on the topography, surface water, soils, bedrock and groundwater in the vicinity of the subject property is as follows:

Soil Type	Myford Sandy Loam (EDR, 2015)
Bedrock (Type and Depth)	Quaternary Alluvium and Marine Deposits (CGS, 2010)
Nearby Surface Water/Drainage Features	Paularino Channel, bordering the subject property to the south (USGS, 1981)
Estimated Depth Shallow Groundwater:	Between 23 and 30 feet on the east adjoining property (Geotracker, 2015)



**Estimated Shallow
Groundwater Flow
Direction**

South (Geotracker, 2015)

The subsurface conditions under the subject property are interpreted from available data and may vary. Estimated groundwater flow direction is based on topography and nearby water features unless otherwise noted. Topography is not always a reliable basis for predicting groundwater flow direction. The local groundwater gradient under the subject property may be influenced naturally by zones of higher or lower permeability, or artificially by nearby pumping or recharge, and may deviate from the regional trend.

4.0 HISTORICAL REVIEW

The following Sections detail BVNA’s review of available historical and related information. This includes a review of ASTM Standard Historical Sources, Agency/Department records/personnel interviews and other documents. The historical summary also incorporates information obtained from interviews and other components of the Assessment process.

4.1 SUMMARY OF HISTORICAL REVIEW

The historical research presented in this Assessment has established the *obvious* uses of the subject property since 1901. In addition, information on historic uses of adjoining properties was also obtained. A chronological summary of the historic use of the subject and adjoining/nearby properties is presented below. Please refer to Section 1.3.3 for a summary of significant data gaps (if any).

The subject property was unimproved from at least 1901 until sometime prior to 1938, when it was in agricultural use. By 1963, the subject property was developed with two industrial-type buildings, which were occupied by Costa Mesa Knitting Mills, Deltronic Corp, Frank’s Garage and Hi-Precision Grinding. By 1986, the subject property was developed with the existing building occupied by Baker Self Storage, the current tenant.

The adjoining properties were unimproved from at least 1901 until sometime prior to 1938, when it was in agricultural use. By 1963, the west adjoining property was developed with the existing single-family residences. By 1977, the east adjoining property was developed with two structures associated with the existing Newport Mesa School District Maintenance Yard. The north adjoining property was developed with the existing single-family residences by 1987. The south adjoining property was developed with the existing sports fields by 1977.

4.2 AERIAL PHOTOGRAPHS

Aerial photographs, including the subject and adjoining properties, were obtained from EDR for the years 1938, 1947, 1953, 1963, 1972, 1977, 1987, 1990, 1995, 2005, 2009, 2010 and 2012, which are included in the Appendices. Photographs reviewed are summarized as follows:

Date	Scale	Comments
1938 1947 1953	1" = 500'	The subject and adjoining properties appear to be in agricultural use.
1963	1" = 500'	The subject property appears to be developed with two industrial-type buildings. The west adjoining property appears to be developed with the existing single-family residences. The north, east and south adjoining properties appear to be unimproved.



Date	Scale	Comments
1972	1" = 500'	There are no significant changes from the 1963 photograph, except that the subject property appears to be developed with the existing building in its current configuration. The east adjoining property appears to be developed with two structures.
1977	1" = 500'	There are no significant changes from the 1972 photograph, except that the east adjoining property appears to be developed with the existing buildings and parking lot and the south adjoining property appears to be developed with the existing sports fields.
1987 1990 1995 2005 2009 2010 2012	1" = 500'	There are no significant changes from the 1977 photograph, except the north adjoining property appears to be developed with the existing single-family residences.

No readily apparent evidence of potential *recognized environmental conditions* at the subject or adjoining properties was noted on the aerial photographs reviewed, except the following:

- The subject and adjoining properties appeared to be in agricultural use from at least 1938 until sometime prior to 1963.

4.3 USGS TOPOGRAPHIC MAPS

Topographic maps for the subject property and vicinity were obtained from EDR for the years 1901, 1902, 1935, 1942, 1951, 1965, 1972 and 1981, which are included in the Appendices. Topographic maps reviewed are summarized as follows:

Date	Comments
1901 1902 1935 1942 1951	The subject and adjoining properties are depicted as being unimproved.
1965	The subject property is depicted as being developed with two structures. The north and south adjoining properties are depicted as being within an urban area. The west adjoining property is depicted as being unimproved. The east adjoining property is depicted as being developed with several structures.
1972 1981	There are no significant changes from the 1965 map.

No readily apparent evidence of potential *recognized environmental conditions* at the subject or adjoining properties was noted on the topographic maps reviewed.



4.4 FIRE INSURANCE MAPS

Fire insurance maps were not available for the area of the subject property, according to EDR. A copy of the “No Coverage” letter is included as Appendix I.

4.5 CITY DIRECTORIES

City directories covering the subject property and adjoining properties were obtained from EDR for the period between 1920 and 2013, which are included in the Appendices. A summary of the listings for the subject property and selected adjoining/nearby properties is shown below.

- The subject property (929 Baker Street) was listed in 1966 as Costa Mesa Knitting Mills, Deltronic Corp, Frank’s Garage and Hi-Precision Grinding. In 1970, it was listed as Deltronic Corp and Lido Van & Storage. From 2002 until 2013, it was listed as Baker Street Self Storage.
- The east adjoining property (2985 Bear Street) was listed from 1995 until 2013 as Newport Mesa Unified School District.

No readily apparent evidence of potential *recognized environmental conditions* at the subject or adjoining properties was noted on the city directories reviewed, except the following:

- The subject property was listed as being in industrial use in 1966.

4.6 RECORDED LAND TITLE RECORDS

Information (if any) provided to BVNA by the *User* with respect to environmental liens or AULs was discussed in Section 2.0. It should be noted that the ASTM Standard recommends that the User retain a title company or title professional to undertake a review of recorded land title records.

4.7 AGENCY CONTACTS

BVNA contacted various government offices to request information on the subject property. Information was requested with respect to historic use and various environmental-related issues, such as: permits, use of or complaints/spills/violations involving hazardous substance and petroleum products, USTs, ASTs, etc. In addition, interviews were also conducted with available agency personnel. Interviews requested relevant *personal* knowledge regarding the past history of use of, and/or potential *recognized environmental conditions* associated with, the subject property. The government offices and local officials contacted are presented below, along with the relevant information (if any) they provided.

Agency: BUILDING, PLANNING AND/OR ZONING DEPARTMENTS

Permits/Comments: The City of Costa Mesa Zoning Map was reviewed on August 25, 2015 to obtain zoning information for the subject property. According to website, the subject property is currently located in Zone R2-MD – Multiple Family Residential (Medium Density).

The Costa Mesa Building Department was contacted on August 24, 2015 to obtain historical use information for the subject property. Permits on file are summarized as follows:

- 12/18/56:** Permit to building 200-foot by 120-foot M1 manufacturing building.
- 01/23/57-08/14/58:** Inspection card for a M1 Manufacturing building.
- 05/22/58:** Permit issued to install partitions to divide building into six units.
- 07/03/58:** C of O issued to Holmes & Sorenson for a manufacturing building.
- 08/15/58:** C of O issued to Holmes & Sorenson for a manufacturing building.
- 11/12/58:** Permit to build 24,000-square foot building.
- 06/27/63:** Permit to build 100-foot by 120-foot one story warehouse.



- 07/22/63:** Permit to build a 4,800-square foot building.
- 06/09/64:** C of O issued to Holmes & Sorenson.
- 09/13/65:** Permit to remodel Office and I.B.M room.
- 12/31/85:** Permit to add 24,000 square foot second story to existing 120-foot by 540-foot existing mini-storage building.

No readily apparent evidence of use, disposal or storage of hazardous materials and wastes, with respect to previous ownership and use, was identified in the property records reviewed, except the following:

- The subject property was in manufacturing use from at least 1956 until 1965.

Agency: FIRE DEPARTMENT

Permits/Comments: The Orange County Fire Authority (OCFA) was contacted on August 26, 2015 to obtain information regarding any fires, complaints, permits, violations involving hazardous material use, USTs, or ASTs on record for the subject property. BVNA has not received a response as of the date of this report.

Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Permits/Comments: The Department of Toxic Substances Control (DTSC) was contacted on August 26, 2015 to obtain information regarding environmental concerns or violations at the subject property. According to the DTSC on August 28, 2015, there are no records on file for the subject property.

Agency: ORANGE COUNTY SANITATION DISTRICT

Permits/Comments: The Orange County Sanitation District (OCSD) was contacted on August 26, 2015 to obtain information regarding environmental concerns or violations at the subject property. According to the OCSD on August 31, 2015, there are no records on file for the subject property.

Agency: ORANGE COUNTY HEALTH CARE AGENCY

Permits/Comments: The Orange County Health Care Agency (OCHCA) was contacted on August 26, 2015 to obtain information regarding environmental concerns or violations at the subject property. BVNA has not received a response as of the date of this report.

Agency: SANTA ANA REGIONAL WATER QUALITY CONTROL BOARD

Permits/Comments: The Santa Ana Regional Water Quality Control Board (SARWQCB) was contacted on August 26, 2015 to obtain information regarding environmental concerns or violations at the subject property. According to the SARWQCB on August 26, 2015, there are no records on file for the subject property.

Agency: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Permits/Comments: The South Coast Air Quality Management District (SCAQMD) Facility Information Detail (FIND) was queried on August 26, 2015 to obtain information regarding environmental concerns or violations at the subject property. According to the SCAQMD FIND, there are no records on file for the subject property.

4.8 PREVIOUS ENVIRONMENTAL REPORTS OR OTHER DOCUMENTS

BVNA made requests to the client and the current property owner/site contact regarding the presence of previous environmental reports or other relevant documents for the subject property (e.g., previous Phase I or Phase II ESA, geotechnical report, MSDS, etc.).

No previous environmental reports or other relevant documents were available for review during this Assessment.



5.0 INTERVIEWS

BVNA interviewed selected individuals associated with the subject property. The purpose of the interview(s) was to obtain additional information related to 1) the current and past operations at the subject and/or adjoining properties that may result in *recognized environmental conditions*, and 2) the presence of *Proceedings Involving the Property* (e.g., litigation, regulatory agency rulings, violations, etc.).

This included interviews with the current property Owner(s) and/or their “Key Site Manager(s)” and major Operators/Occupants. The “Key Site Manager” is that individual designated by the Property Owner that possesses good knowledge of the uses and physical characteristics of the property. Past owners, operators and occupants were also interviewed if 1) they were identified, 2) contact information was obtained, and 3) the information was not likely to be duplicative of that obtained from other sources. Information (if any) obtained from interviews with local Agency personnel is included in Section 4.7. In addition, in the event the subject property currently appears “abandoned” with evidence of potentially unauthorized uses or uncontrolled access, one or more owners/occupants of adjoining properties were interviewed.

5.1 INTERVIEW WITH OWNER

See Section 2.0 for additional information provided by the site owner.

Ms. Tammy Sorensen, subject property owner, was contacted in person on August 24, 2015. Ms. Sorensen has been associated with the subject property since approximately 1986. Ms. Sorensen provided general information regarding historic and current operations at the subject property. Ms. Sorensen indicated that the property was used for manufacturing when she purchased it in 1986. At that time, she converted the building into a self-storage facility and added the second floor. Ms. Sorensen indicated that soil sampling was conducted at the property approximately two weeks ago in preparation for proposed residential development. Ms. Sorensen did not provide the reports for review. Ms. Sorensen is unaware of any environmental issues of concern associated with the subject property, and stated that she was unaware of any USTs or ASTs historically or currently located on the subject property.

Ms. Sorensen was asked if he was aware of any of the following:

Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property.	Yes	No	X
	_____	_____	_____
Any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property.	Yes	No	X
	_____	_____	_____
Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.	Yes	No	X
	_____	_____	_____

Previous owners were not interviewed during this assessment, because sufficient information was obtained from other sources.

5.2 INTERVIEWS WITH OTHERS

No other interviews were conducted.



6.0 STANDARD ENVIRONMENTAL RECORD SOURCES: FEDERAL, STATE, AND TRIBAL

Available government database information prepared by EDR was reviewed to evaluate both the subject property and listed sites within ASTM-recommended search distances. This included ASTM Standard Federal, State, and Tribal databases and may also include other types of records, subject to availability (e.g., local lists).

The regulatory database report also included an Unmappable Sites Section. Unmappable sites are sites that cannot be plotted with confidence, but can be located by zip code or city name. In general, a site cannot be geocoded due to inaccurate or missing information in the environmental database record provided by its applicable agency. Unmappable sites that were identified by BVNA are included, as applicable, within the following paragraphs.

The subject property was not identified in the databases reviewed.

The database information reviewed did indicate the presence of adjoining and/or nearby facilities within ASTM-recommended search distances of the subject property. The following adjoining facilities and/or other nearby facilities of potential concern were noted:

Offsite Property	Database	Orientation from Subject Property (Distance/Direction/Gradient)	Comments
Newport Mesa Unified School District 2985 Bear Street	SWEEPS UST, CA FID UST, LUST, HIST UST, HIST CORTESE , NPDES, RCRA- CESQG, WDS	East adjoining crossgradient property	See below.

The following site was evaluated in greater detail:

- Newport Mesa Unified School District, located at 2985 Bear Street on the east adjoining property, was identified in the SWEEPS UST, CA FID UST, LUST, HIST UST, HIST CORTESE, NPDES, RCRA-CESQG, and WDS databases reviewed. According to the SWEEPS UST database, there are four USTs operating at the site. According to the LUST database, a release of kerosene, Stoddard solvent/mineral spirits or distillates occurred into soil in 1990. This release received closure in 1990. No other information pertaining to this release was available. In 1997, one 10,000-gallon and one 5,000-gallon diesel-containing, one 10,000-gallon gasoline-containing, one 500-gallon waste oil-containing and one 280-gallon waste oil-containing UST were removed. All USTs were visibly intact, except for the 500-gallon waste oil containing UST. The tanks were replaced with one 10,000-gallon gasoline-containing UST and one 15,000-gallon diesel-containing UST. Soil sampling found gasoline-range total petroleum hydrocarbon (TPHg) and methyl tert-butyl ether (MTBE) was present near the dispenser island and underground piping. The highest concentrations of contaminants were found between 10 and 30 feet below ground surface (bgs). In 2007, an air sparging/soil vapor extraction (AS/SVE) and 19 monitoring wells were installed at the site. The site remains in active remediation. The nearest monitoring well to the subject property is MW-18, approximately 125 feet east and crossgradient from the subject property. According to the quarterly monitoring reports, contaminants were not detected in MW-18. The proximity to the subject property represents a *recognized environmental condition*.



7.0 TIER 1 VAPOR ENCROACHMENT SCREEN (VES)

BVNA conducted a Tier 1 VES during the Phase I ESA. The VES was conducted in accordance with ASTM E2600-10, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. A VES is often conducted in conjunction with a Phase I Assessment as much of the information utilized is common to both processes. The methods and terms are as defined in the ASTM standard.

The goal of a VES is to identify a *vapor encroachment condition* (VEC) at a subject property. A VEC is defined as the presence of likely presence of *chemicals of concern* (COC) vapors in the subsurface of a subject property caused by the release of vapors from contaminated soil or groundwater either on or near the subject property.

In accordance with the Standard, BVNA requested that the *User* provide information on the subject property, with respect to the following: “specialized knowledge” of the *User*; and commonly known or reasonable ascertainable information.

Based on BVNA’s review of the *User* provided information, no readily apparent evidence of potential *vapor encroachment conditions* at the subject property was noted.

7.1 TIER 1 SCREENING INFORMATION

A Tier 1 VES includes obtaining and reviewing information on the subject property and adjoining properties. This includes information on the following: user provided information; physical setting information; existing/planned use of the subject property; types of structures/existing or planned on the subject property; surrounding area description; selected Federal, State, Local and Tribal environmental records sources; historical records related to the past use of the subject property and adjoining properties within the *area of concern* (AOC), $\frac{1}{3}$ to $\frac{1}{10}$ mile; the likely chemicals of concern (COC); and the presence of significant natural or man-made conduits that can serve as preferential pathways, such as utility corridors, sewers, storm drains, etc. (Note: These “preferential pathways” may provide for a more direct route for vapors to encroach upon the subject property).

As stated previously, most of this information was obtained as part of the standard Phase I assessment process and has already been discussed in the applicable sections of this report. Additional information was also obtained with respect to the following: planned additional structures; and significant natural or man-made “preferential pathways” of potential vapor migration. This information is summarized below:

- No information was provided on plans for the construction of additional buildings. The planned use for the subject property is development with residential units.
- The subject property is connected with several types of utilities, each of which has underground utility conduits. Known below-grade utilities include the following: water, natural gas, sanitary sewer and storm sewer. The easements are likely located around the perimeter of the subject property and the right-of-way of Baker Street.

7.2 TIER 1 SCREENING EVALUATION

An evaluation of that information includes two tests: 1) a search distance test to evaluate the proximity of the target property to known or suspected “*contaminated properties*”, and 2) a chemicals of concern test to determine the likely presence of COCs at the subject or properties within the AOC. In evaluating the data, the distance and proximity to potentially contaminated offsite properties must be evaluated, including whether they are up-, cross-, or down-gradient relative to the subject property. A brief summary of relevant information considered for the Tier 1 screening follows:

Use of Property:	Self-storage facility
Soil Characteristics	Sandy Loam
Depth to groundwater:	~23-30 feet bgs



Preferential Pathways: Utilities exist onsite, likely extending into right-of-way of Baker Street and

Location of Known or Suspect Contaminated Properties	Type of COC	Orientation from Subject Property (Distance/Direction/Gradient)	Cleanup "Status" or Comments
Newport Mesa Unified School District 2985 Bear Street	Petroleum Products	East adjoining crossgradient property	Four USTs currently operating at the site. The site is in active remediation for TPHg and MTBE. The highest concentrations of contaminants were found between 10 and 30 feet below ground surface (bgs). In 2007, an air sparging/soil vapor extraction (AS/SVE) and 19 monitoring wells were installed at the site. The site remains in active remediation. The nearest monitoring well to the subject property is MW-18, approximately 125 feet east and crossgradient from the subject property. According to the quarterly monitoring reports, contaminants were not detected in MW-18.

The *vapor encroachment screen* process has been completed in accordance with the Standard. See Section 6.0 and Appendix K for further information. Based on the distance and direction of the location of known or suspect contaminated properties to the subject property, this site is not considered a source of potential vapor encroachment to the subject property.

8.0 SITE RECONNAISSANCE

8.1 GENERAL OBSERVATIONS

The approximately 4.7-acre subject property is developed with a self-storage building containing approximately 88,800 square feet of interior floor space. The remainder of the subject property consists of asphalt-pavement for storage of RVs, trailers and boats, asphalt driveways and exposed soil.

Observations regarding specific issues, such as hazardous substances, USTs, ASTs, etc. are discussed in specific sections below.

The following information was obtained regarding subject property utilities:

- Electricity: Southern California Edison
- Natural Gas: SoCal Gas
- Water: City of Costa Mesa



8.2 CURRENT SITE CONDITIONS

Stained Soil/Surface	Yes	<u> </u>	No	<u> XX </u>
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Distressed Vegetation	Yes	<u> </u>	No	<u> XX </u>
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Odors	Yes	<u> </u>	No	<u> XX </u>
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Chemical/Hazardous Materials Storage	Yes	<u> XX </u>	No	<u> </u>
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Comments (types, amount, location): According to a waste manifest provided by Mr. Bill Steel with Samuels, Green & Steel, LLP, Counsel for the subject property owner, from Filter Recycling Services, dried latex, roof tar, aerosols, sodium hydroxide solid, photo chemicals, oil-impacted soil, oily water, used oil, and empty drums were removed from the subject property in June 2015. The materials were from storage units.

Drums/Unidentified Substance Containers	Yes	<u> XX </u>	No	<u> </u>
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Comments (types, amount, location): According to Mr. Bill Steel with Samuels, Green & Steel, LLP, Counsel for the subject property owner, two 55-gallon drums of waste oil were removed from the subject property in June 2015. One of the drums was not covered, resulting in filling and overflowing with water. Oily water impacted the surrounding soil. Environmental Logistics removed the drums and a 55-gallon drum of impacted soil.

Wastewater/Stormwater	Yes	<u> XX </u>	No	<u> </u>
-----------------------	-----	-------------------------------	----	-----------------------------

Comments (types, amount, location): Wastewater from the subject property originates from sinks, showers and toilets and is discharged to the municipal sewer. The storm water runoff from the subject property flows via sheet flow to the north into storm drains and into the storm sewer.

Sumps/Floor Drains	Yes	<u> </u>	No	<u> XX </u>
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Leachfields/Septic Tank	Yes	<u> </u>	No	<u> XX </u>
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Pits/Ponds/Lagoons/ Pools of Liquids	Yes	<u> </u>	No	<u> XX </u>
--------------------------------------	-----	-----------------------------	----	-------------------------------

Source of Fuel for Heating: Unknown

Wells	Yes	<u> </u>	No	<u> XX </u>
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Waste Handling and Disposal:

Comments (types, amount, location): Currently, non-hazardous solid waste is generated onsite. Waste is in the form of general refuse (e.g., paper, household trash) that is disposed of in a dumpster located near the northwestern portion of the building. The waste is collected and transported to an offsite disposal facility by Waste Management on a weekly basis.

Potential PCB-Containing Equipment	Yes	XX	No	
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Comments (types, amount, location): A pad-mounted electrical transformer was observed on the northeastern portion of the subject property. The observed transformer appeared to be in good condition and evidence of leaks was not observed.

Aboveground Storage Tanks (ASTs)	Yes		No	XX
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Underground Storage Tanks (USTs)	Yes		No	XX
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9.0 NON-ASTM ISSUES

The scope of services for this Assessment did not include an evaluation of “Non-ASTM” issues (e.g., asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, etc.).

10.0 FINDINGS AND OPINIONS

This section presents a summary of available information on known or suspected *recognized environmental conditions, controlled recognized environmental conditions, historical recognized environmental condition, vapor encroachment conditions, and de minimis conditions* (if any) at the subject property. It also includes BVNA’s opinion and rationale for concluding that a condition is, or is not, currently a *recognized environmental condition*. Based on a review of the information presented in this Assessment, BVNA presents the following relevant findings and opinions:

- **Former Agricultural Use** – The subject and adjoining properties appeared to be in agricultural use from at least 1938 until sometime prior to 1963. Based on available information, it is BVNA’s opinion this represents a *recognized environmental condition*, as defined by ASTM, with respect to the subject property.
- **Former Industrial Use** – The subject property was in industrial use from at least 1956 until 1986. City directories listed the subject property as being occupied by Costa Mesa Knitting Mills, Deltronic Corp, Frank’s Garage and Hi-Precision Grinding in 1966. In 1970, it was listed as Deltronic Corp and Lido Van & Storage. No releases have been reported in associated with these businesses. Based on available information, it is BVNA’s opinion this represents a *recognized environmental condition*, as defined by ASTM, with respect to the subject property.
- **Former Onsite Waste Oil and Hazardous Waste**– According to Mr. Bill Steel with Samuels, Green & Steel, LLP, two 55-gallon drums of waste oil were removed from the subject property in June 2015. One of the drums was not covered, resulting in filling and overflowing with water. Oily water impacted the surrounding soil. Environmental Logistics removed the drums and impacted soil. However, reports documenting this cleanup were not provided. According to a waste manifest from Filter



Recycling Services, dried latex, roof tar, aerosols, sodium hydroxide solid, photo chemicals, oil-impacted soil, oily water, used oil, and empty drums were removed from the subject property in June 2015. The materials were from storage units. Based on available information, it is BVNA's opinion this represents a *recognized environmental condition*, with respect to the subject property.

- **East Adjoining LUST** – Newport Mesa Unified School District, located at 2985 Bear Street on the east adjoining property, was identified in the SWEEPS UST, CA FID UST, LUST, HIST UST, HIST CORTESE, NPDES, RCRA-CESQG, and WDS databases reviewed. According to the SWEEPS UST database, there are four USTs operating at the site. According to the LUST database, a release of kerosene, Stoddard solvent/mineral spirits or distillates occurred into soil in 1990. This release received closure in 1990. No other information pertaining to this release was available. In 1997, one 10,000-gallon and one 5,000-gallon diesel-containing, one 10,000-gallon gasoline-containing, one 500-gallon waste oil-containing and one 280-gallon waste oil-containing UST were removed. All USTs were visibly intact, except for the 500-gallon waste oil containing UST. The tanks were replaced with one 10,000-gallon gasoline-containing UST and one 15,000-gallon diesel-containing UST. Soil sampling found gasoline-range total petroleum hydrocarbon (TPHg) and methyl tert-butyl ether (MTBE) was present near the dispenser island and underground piping. The highest concentrations of contaminants were found between 10 and 30 feet below ground surface (bgs). In 2007, an air sparging/soil vapor extraction (AS/SVE) and 19 monitoring wells were installed at the site. The site remains in active remediation. The nearest monitoring well to the subject property is MW-18, approximately 125 feet east and crossgradient from the subject property. According to the quarterly monitoring reports, contaminants were not detected in MW-18. Based on available information, this represents a *recognized environmental condition*.
- **Additional Facilities in General Area of Subject Property** – Facilities in the general area of the subject property were identified on the databases reviewed for this report (i.e., within ASTM-specified distances). However, it is BVNA's opinion these facilities do not represent a significant threat of impact to the subject property. This opinion is supported by one or more of the following: intervening distance and/or orientation relative to the subject property; surface topography; known or suspected groundwater flow direction; regulatory status (e.g., only hold an operating permit [which does not imply a release], have been issued "*No Further Action*" status by the appropriate regulatory agency); and/or other available information. Accordingly, based on available information, it is BVNA's opinion these facilities do not represent a *recognized environmental condition*, as defined by ASTM, with respect to the subject property.
- **Tier 1 Vapor Encroachment Screen** – BVNA has conducted a Tier 1 Vapor Encroachment Screen, in accordance with ASTM Standard E2600-10. The nature of site conditions does not suggest the likelihood of a VEC due to onsite operations. Furthermore, although offsite properties of *potential* environmental concern were noted in the databases or other information reviewed, it is BVNA's opinion that these properties do not present an environmental concern relative to the subject property because: 1) the sites received a "No Further Action" by the appropriate regulatory agency and/or 2) based upon BVNA's review, are considered to be too distant (i.e., beyond the *critical distance*) and/or topographically down-gradient or cross-gradient relative to the subject property to reasonably be expected to affect it. Based on available information, it is BVNA's opinion that a *vapor encroachment condition*, as defined by ASTM, does not exist or is unlikely to exist.

11.0 **CONCLUSIONS AND RECOMMENDATIONS**

BVNA has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-0513 for 929 Baker Street located in Costa Mesa, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Sections 1.2 and 1.3 of this report.

This Assessment has revealed no evidence of *recognized environmental conditions* in connection with the subject property, except for the following:

- **Former Agricultural Use**



- **Former Industrial Use**
- **Former Onsite Waste Oil and Hazardous Waste**

Based on the results of this Assessment, additional investigation to assess the impacts of former agricultural use, oil release, and prior industrial use appears warranted at this time. Based on the results of this Assessment, additional investigation to assess the impacts of former agricultural use, oil release, and prior industrial use appears warranted at this time. Observations should be made during the development of the subject property including, but not limited to, areas that may contain underground structures, buried debris, waste drums, and stained or odorous soils. If areas of possible contamination or buried debris are encountered during redevelopment, they should be properly handled. Stained soil, if encountered, should be removed and properly disposed.



SIGNATURES

**This report was prepared,
under the responsible charge
of the Environmental
Professional noted below, by:**

Sara Boyer
Consultant
Health, Safety and Environmental Services
Los Angeles Regional Office
BVNA North America, Inc.

Environmental Professional's Certification:

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

Shannon Gillespie, REPA
Manager, Due Diligence & Regulated Building Materials
Health, Safety and Environmental Services
Los Angeles Regional Office
Bureau Veritas North America, Inc.

September 3, 2015

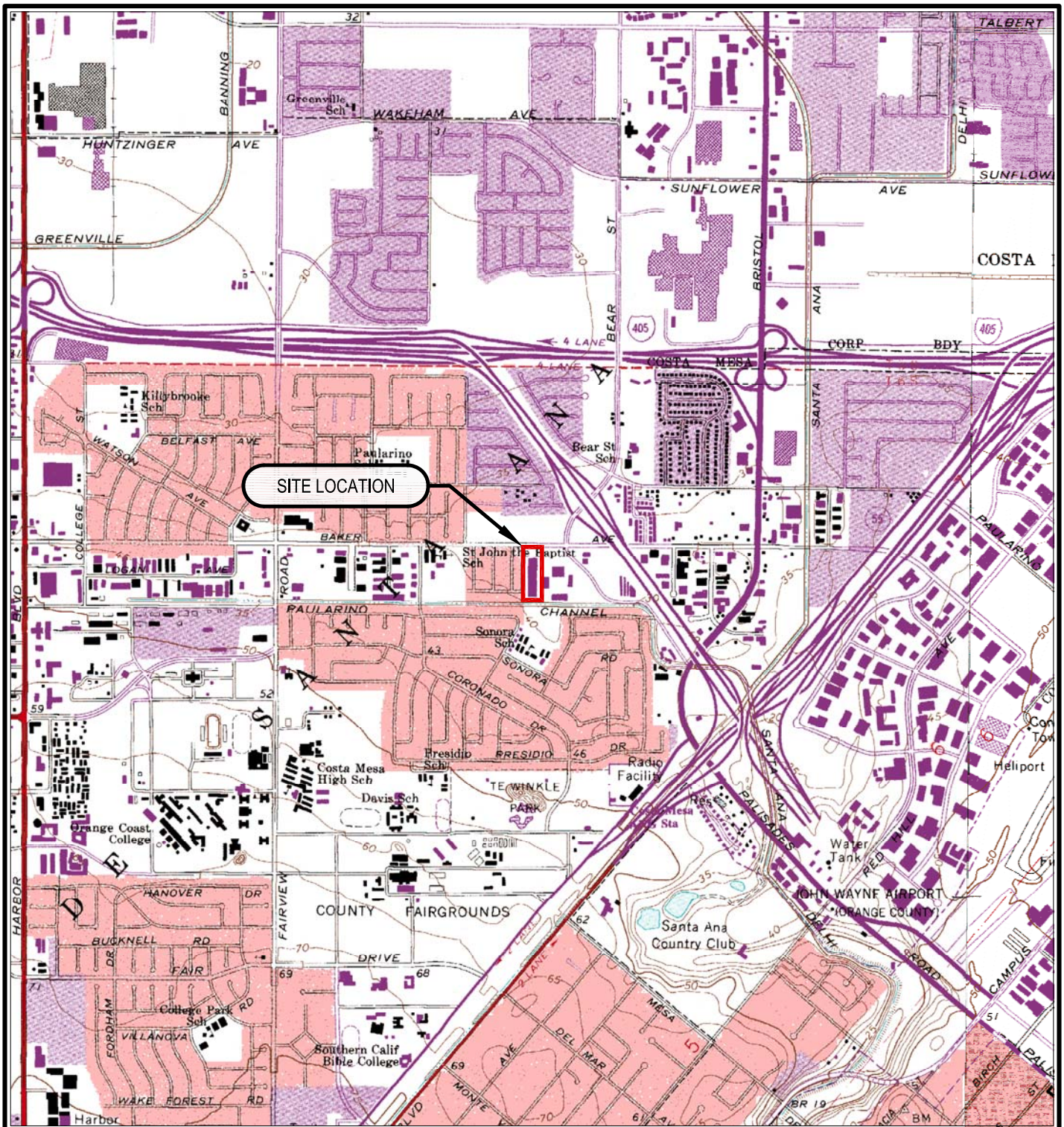
Phase I Environmental Site Assessment

929 Baker Street
Costa Mesa, California

BVNA Project No. 25015-015276.00

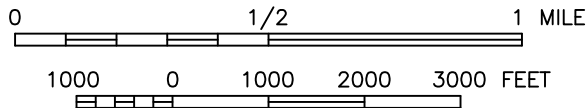


FIGURES



QUADRANGLE LOCATION

Scale 1:24000



(SOURCE OF MAP IS USGS 7.5 MINUTE QUADRANGLE MAP, NEWPORT BEACH (1981), CALIFORNIA)



CHECK BY	SB
DRAWN BY	JL
DATE	9/2/2015
SCALE	AS SHOWN
CAD NO.	015276.00A
PRJ NO.	25015-015276.00

SITE LOCATION MAP

DE NOVA HOMES
 929 BAKER STREET
 COSTA MESA, CALIFORNIA



FIGURE

1

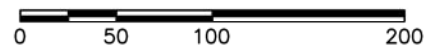


LEGEND

- - - - - SUBJECT PROPERTY BOUNDARY

TOP INSET MAP SCALE: 1" = 400'

SCALE IN FEET



CHECK BY	SB
DRAWN BY	JL
DATE	9/2/2015
SCALE	AS SHOWN
CAD NO.	015276.00b
PRJ NO.	25015-015276.00

SITE VICINITY MAP
 DE NOVA HOMES
 929 BAKER STREET
 COSTA MESA, CALIFORNIA



FIGURE

2



PHOTOGRAPHS



1

View of the subject property building and driveway entrance facing south.



2

View of the subject property building and driveway exit facing southwest.



3

Northern undeveloped portion of the subject property facing southeast.



4

View of a storm drain near the northwestern portion of the subject property facing south.



5

View of a boring hole near the northwestern portion of the subject property facing south.



6

View of a security gate and Waste Management dumpster facing north.



7

Western portion of the subject property facing south.



8

View of the southeastern portion of the subject property facing east.



9

View of the southeast corner of the subject property formerly containing 55-gallon drums facing east.



10

Eastern portion of the subject property facing north.





11

View inside a hall of the storage building facing west.



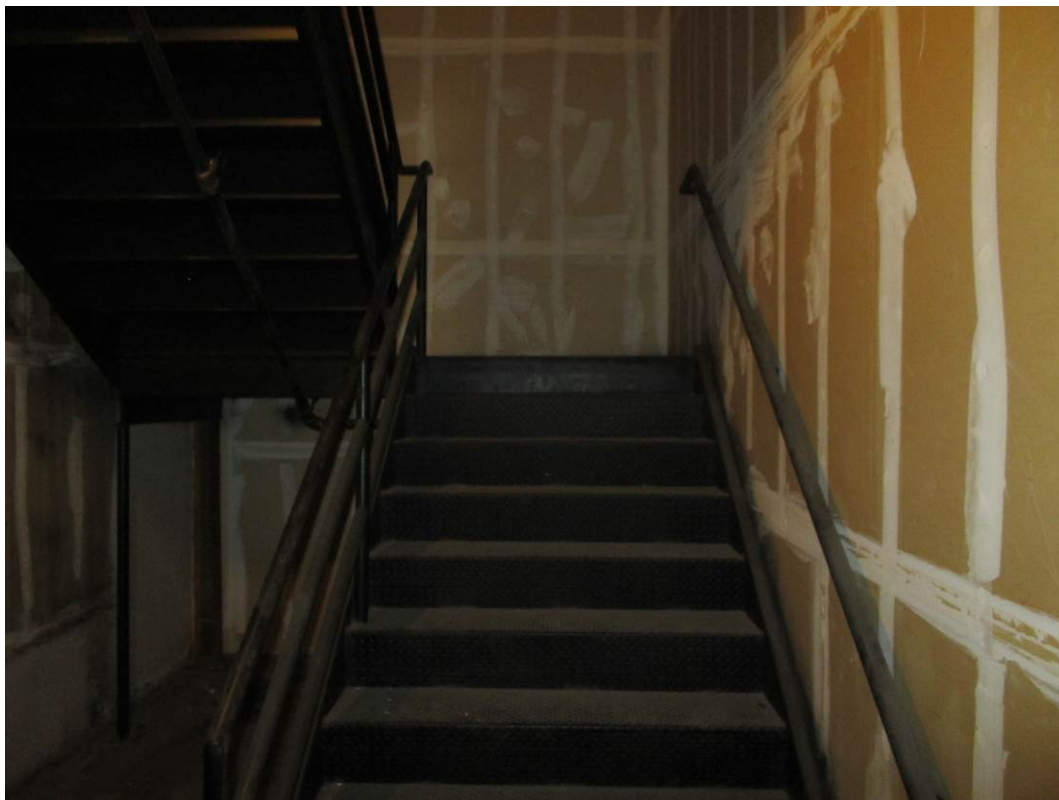
12

View inside unit 55 facing north.



13

View inside a hall of the larger storage units facing east.



14

View of the second story stairway.



15

View inside a second story hallway.



16

View of the existing transformer facing west.



17

View of the north adjoining Somerset Apartments facing northeast.



18

View of the east adjoining Newport Mesa School District facing southwest.



19

View of the south adjoining Sonora Elementary School facing northeast.



20

View of the west adjoining single-family residences facing southeast.



APPENDIX A

RESUMES



Sara Boyer, CSST, LRC-ST

Staff Consultant Environmental Services

B.A., Environmental Science
University of Pittsburgh
Pittsburgh, Pennsylvania

OSHA 40-hour Hazardous Waste Site
Operations and Emergency Training
2010 – Maintained Annually

Asbestos Hazard Emergency
Response Act (AHERA)
Certified Building Inspector
2012 – Maintained Annually

Asbestos 40-Hour Contractor/Supervisor
2012

Certified Lead Sampling Technician
2012

Asbestos Certified Site Surveillance
Technician (Cert. No. 13-5134)
2013

Sampling and Evaluating Airborne
Asbestos Dust (NIOSH 582)

Lead Inspector/Assessor Training
Completed
2013

Ms. Boyer conducts Phase I Environmental Site Assessments (ESAs) for various financial, real estate, industrial, and commercial clients. Using American Society for Testing Materials (ASTM) standard practices as a guideline, Ms. Boyer has conducted Phase I ESAs of industrial sites, commercial buildings, and undeveloped land throughout Southern California. These have included performing historical research, interviewing owners, occupants, and local government officials, and generating reports. Ms. Boyer also has participated in all phases of asbestos and lead projects.

Ms. Boyer also performs National Environmental Protection Act (NEPA) compliance work in California for proposed and existing wireless communications facilities. She also researches and generates reports regarding the specific location of historical sites, endangered species and habitats, wildlife and wilderness preserves, and Native American religious areas.



Sara Boyer, LRC-ST

Project Experience

Phase I Environmental Site Assessments (ESAs)

Real Estate Transactions

Ms. Boyer has conducted various ESAs throughout Southern California to satisfy due diligence investigations for real estate transactions, banks, real estate investment companies, developers, and property owners. Ms. Boyer conducted site inspections and investigated surrounding property usage; reviewed relevant regulatory files for investigations at the site or in the immediate area; and surveyed past site and surrounding property uses using aerial photographs, city directories, fire insurance maps and government records.

National Environmental Policy Act (NEPA)

Telecommunications Company

Ms. Boyer has conducted environmental assessments in Southern California in compliance with the National Environmental Protection Act (NEPA) for national telecommunications clients. Ms. Boyer's research includes consultation with several bureaus within the United States Department of Interior such as National Park Services (NPS), United States Fish & Wildlife Services and Bureau of Land Management (BLM). In addition, Ms. Boyer contacts state and local agencies, federally and non-federally recognized Native American Tribes concerning religious areas, and the California Historic Preservation Office. Ms. Boyer has investigated potential wildlife and wilderness preserves, wetlands, endangered or threatened species and habitats and Native American religious areas. Ms. Boyer has knowledge of the Federal Communications Commission's (FCC) Nationwide Programmatic Agreement (NPA).

Asbestos and Lead Inspections

Commercial and Public Facilities

Ms. Boyer has conducted a variety of asbestos and lead building inspections and prepared inspection reports. She has also been responsible for client and regulatory interface, project management, budgeting, and scheduling.

Employment History

Bureau Veritas North America, Inc. – Costa Mesa, California
Staff Consultant, Environmental Services
2012 to Present



Shannon Gillespie, REPA

Manager, Due Diligence & Regulated Building Materials

Due Diligence Practice Line Leader

B.S., Chemistry, 1986
Arizona State University,
Tempe, Arizona

California Registered Environmental
Assessor, REA-03582: 1992

Registered Environmental Property
Assessor: 2013

OSHA 8-hour HAZWOPER Refresher

OSHA 40-hour Hazardous Waste,
Health and Safety Accreditation Training

AHERA Building Inspector

Ms. Gillespie has over 25 years of technical experience in conducting environmental assessments. Ms. Gillespie supervises staff responsible for conducting Phase I Environmental Assessments and subsequent subsurface investigations, NEPA projects and asbestos and lead projects and has final review of project deliverables. She interacts with clients and is responsible for assuring report timeliness and maintaining project budgets. She prepares Phase I, subsurface investigation and asbestos and lead proposals and conducts business development. Ms. Gillespie is also the Due Diligence Practice Line Leader, which conducts Phase I training of BVNA personnel, standardizing company boilerplate reports and maintaining company quality.

Ms. Gillespie has coordinated, managed, and conducted Phase I environmental assessments of commercial and industrial properties as part of real estate transactions for due diligence investigations. The Phase I assessments include site visits to inspect current site and vicinity usage, review of relevant regulatory files for investigations at the site or in the area, personnel interviews, reviews of hazardous material and waste handling practices, identifying potential sources of contamination and asbestos-containing materials, and surveys of past site and vicinity usages, and reviewing aerial photographs, city directories, fire insurance maps, and government records.

Ms. Gillespie also reviews environmental assessment reports for financial institutions to assess business risk and assists clients in the preparation of Hazardous Materials Business Plans. Additionally, she conducts Phase II and Phase III assessments to locate and determine the extent of soil and groundwater contamination. Her responsibilities include soil boring installation, developing site-specific work plans and health and safety plans, interpreting analytical results, estimating volumes of impacted soil and groundwater, estimating remediation costs and report preparation. She reviews environmental assessment and subsurface investigation reports written by staff personnel and other consultants.



Shannon Gillespie, REPA

Project Experience

CERCLA Preliminary Assessment

State of California Real Estate Division (formerly Division of the State Architect)

Prepared a CERCLA preliminary assessment for a 1,300-acre Department of Defense and California Army National Guard installation (Los Alamitos Armed Forces Reserve Center). The assessment included: a review of available files, personnel interviews, onsite and offsite reconnaissance, historical aerial photograph review and survey of potential sources of past and current contamination and contaminant sources. The preliminary assessment indicated that past and present operations at the installation had involved the use, storage, treatment, spillage, leakage, and disposal of materials and/or wastes that are now considered hazardous. These materials and wastes were used in a variety of aircraft and vehicle maintenance, fuel storage, landfilling, aircraft-washing, and other facility activities and operations. Based on this information, potential areas of concern at the installation requiring site investigation activities were identified. The Preliminary Assessment was conducted using guidelines developed by the U.S. Environmental Protection Agency (EPA), Waste Management Division, Region IX and the California Department of Toxic Substances (DTSC).

The SI included twelve potential areas of concern identified in the Preliminary Assessment (PA). The areas included two landfills, a flight line area, revetments, fuel tank farms, former rifle ranges, clarifiers, munitions bunkers, agricultural areas and a wastewater treatment plant. Investigation included the collection of air, surface water, groundwater, soil and soil vapor samples to assess the presence of various contaminants that were identified in the previously completed PA. Ms Gillespie was an integral member of the team in the evaluation of data collected during the SI and generation the Remedial Investigation Work plan, Health and Safety Plan, Quality Assurance Project Plan and Field Sampling Plan.

Phase I Environmental Assessments

Lending Institute

Supervised the completion of a 45 site portfolio for a major lending institute to satisfy due diligence. The sites were located in California, Texas and Arizona and required the coordination of staff from 3 other BVNA offices. All field work and written reports had to be completed within a 4 week period of time and within a tight budget. Ms. Gillespie solely maintained client contact and reviewed all deliverables prior to submittal to client. Some of the projects required subsequent Phase II investigations based on findings during the Phase I.

Phase I Environmental Assessments

Residential Housing Developer

Conducted numerous Phase I environmental assessments of large tracts of land prior to the client purchasing properties for residential development. Based on the findings of the site inspection, subsurface investigations are conducted simultaneous to the completion of the Phase I. The subsurface investigations have to be completed within the same time frame as the Phase Is. Previous site usage ranges from agricultural use to multiple gas stations and industrial use.

Phase I Environmental Assessments

Cellular Communications Company

Managed the completion of over 1000 assessments for a cellular communications company to satisfy due diligence. Completion of the project, which included Phase I Environmental Site Assessments, NEPA work, subsurface investigations and asbestos & lead assessments, required the coordination of staff from five other BVNA offices. All fieldwork and written reports had to be completed within a quick turnaround and within a tight budget. Ms. Gillespie solely maintained client contact and reviewed all deliverables prior to submittal to client.

Employment History

Bureau Veritas North America, Inc., Costa Mesa, California, Manager Due Diligence, 1989 to Present

Rollins Chempak, Inc., Ontario & Los Angeles, California - 1988 to 1989; Disposal Control Service, Phoenix, Arizona, 1987 to 1988; Maricopa County Landfill Department, Phoenix, Arizona, 1987; Salt River Project, Phoenix, Arizona, 1985



APPENDIX B

SOURCES AND REFERENCES



LIST OF SOURCES/REFERENCES

Sources of Information

- ASTM International, "*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*," ASTM Designation E1527-13
- ASTM International, "*Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction*," ASTM Designation E2600-10

Persons/Agencies Contacted

- Mr. Alan Toffoli, the User, August 21, 2015
- Ms. Tammy Sorenson, Subject Property Owner, August 26, 2014
- Costa Mesa Mesa Building Division, 714-754-5273, August 26, 2015
- Orange County Health Care Agency, 714-834-3536, August 26, 2015
- Santa Ana Regional Water Quality Control Board, 951-782-4130, August 26, 2015
- Department of Toxic Substance Control, 714-484-5336, August 26, 2015
- Orange County Fire Authority, 714-573-6000, August 26, 2015
- South Coast Air Quality Management District, 909-396-2000, August 26, 2015

Documents Reviewed

- USGS Topographic Map, Newport Beach, California, *Quadrangle Map, 7.5 Minute Series*, 1981
- California State Geological Survey, *Geologic Map of State*, dated 2010
- Aerial photographs, obtained from EDR: 1938, 1947, 1953, 1963, 1972, 1977, 1987, 1990, 1995, 2005, 2009, 2010 and 2012
- Historic topographic maps, obtained from EDR: 1901, 1902, 1935, 1942, 1951, 1965, 1972 and 1981
- Fire insurance maps: Not available
- City Directories, obtained from EDR: 1920 to 2013
- Radius Map with GeoCheck®, Environmental Data Resources, Inc., Inquiry Number 4394412.2s, dated August 26, 2015



APPENDIX C

**USER QUESTIONNAIRE
AND
OTHER DOCUMENTS**



ASTM PRACTICE E 1527-13 USER/CLIENT QUESTIONNAIRE
To be returned to BVNA with the authorized proposal

This Questionnaire is required to be completed by **De Nova Homes**

GENERAL INFORMATION

User/Client Name(s):	De Nova Homes
Property Name and Address (Include known current and former address(es) and parcel no.):	Baker Storage 929 Baker St Costa Mesa, CA 92624 141-242-03
Property Acreage:	4.7 AC
Current Property Type (Designate property type and list current tenants [business name and type of operation]):	Residential: <input type="checkbox"/> Commercial: <input type="checkbox"/> Industrial: <input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Type of Property Transaction with respect to User (Designate one):	Purchase: <input checked="" type="checkbox"/> Lease: <input type="checkbox"/> Other (provide further information): <input type="checkbox"/>
Reason Phase I is Required (Check all that apply):	Landowner Liability Protections (e.g. Innocent Landowner Defense): <input type="checkbox"/> Evaluation of Business Risk: <input type="checkbox"/> Other (list): <input type="checkbox"/> (Note: If no reason is given it is assumed that this assessment is being performed to satisfy one of the requirements for Landowner Liability Protections to CERCLA liability.)
Site Owner/ Contact(s) (Name and phone number):	CONTACT SEWERS BROKER Justin D Hoffman Co. 949/553-2020 x221

Please provide the above information as well as a site plan (ALTA Survey, if available) which clearly designates the boundaries of the subject property for purposes of this Phase I ESA. A list of other Helpful Documents is included with the proposal.



Providing the following information (if available) to the *environmental professional* (BVNA) is one of the requirements to qualify for one of the *Landowner Liability Protections (LLPs)* offered under CERCLA. Missing or incomplete information could result in a determination that "*all appropriate inquiry*" is not complete. If further information is desired regarding these issues, BVNA recommends you consult with an Environmental Attorney.

REQUIRED INFORMATION

The citation at the end of each item (e.g., 40 CFR 312.XX) is the section of EPA's November 1, 2005 AAI Final Rule which discusses that item. The ASTM Standard requires that reasonably ascertainable recorded land title records that are filed under federal, tribal, state and local law should be reviewed to determine the presence of Environmental Liens and Activity and Use Limitations (AULs) that are currently recorded against the property. This should also include a review of Environmental Liens and AULs that are imposed by judicial authorities and recorded/filed in judicial records. The Standard recommends that the User retain a title company or title professional to undertake a review of recorded land title records. Furthermore, the User is to provide any actual knowledge on Environmental Liens and AULs, as well as other selected information regarding *recognized environmental conditions*, to the *environmental professional*.

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

Given the above requirement, are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law? (Check One)

No:

Yes (If "Yes" provide further information):

(Note: If you desire that BVNA retain a title company/title professional on your behalf to review reasonably ascertainable recorded land title records for the presence of environmental cleanup liens and AULs currently recorded against the property please designate such on the Proposal Acceptance Agreement)

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).

Given the above requirement, are you aware of any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? (Check One)

No:

Yes (If "Yes" provide further information):



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

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

No:

Yes (If "Yes" provide further information):

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

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? 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 "No" provide further information):

Not Applicable (e.g., transaction is a lease):



5. Commonly known or reasonably 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?

No:

Yes (If "Yes" provide further information):

For example, as *user*,

(a.) Do you know the past uses of the *property*?

No:

Yes (If "Yes" provide further information):

STORAGE

(b.) Do you know of specific chemicals that are present or once were present at the *property*?

No:

Yes (If "Yes" provide further information):

(c.) Do you know of spills or other chemical releases that have taken place at the *property*?

No:

Yes (If "Yes" provide further information):

Provide EMAIL FROM SEWER

(d.) Do you know of any environmental cleanups that have taken place at the *property*?

No:

Yes (If "Yes" provide further information):

SAME AS ABOVE

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

As the *user* of this *ESA*, 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*?

No:

Yes (If "Yes" provide further information):



7. Proceedings involving the property (ASTM E 1527-13 § 10.9).

Are you aware of any of the following:

(a.) Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?

No:

Yes (If "Yes" provide further information):

(b.) Any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?

No:

Yes (If "Yes" provide further information):

(c.) Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?

No:

Yes (If "Yes" provide further information):

SIGNATURE

It is understood that the information presented in this form is an integral part of the Phase I ESA process and that BVNA will evaluate and rely on this information in the development of the final Phase I ESA report.

Questionnaire Prepared
By:

Print/Type Name:

Ryan Parlett

Title:

Pres

Company:

De Nora Homes

Date:

8/20/15



APPENDIX D

AERIAL PHOTOGRAPHS



De Nova Homes- Baker St.

929 Baker Street

Costa Mesa, CA 92626

Inquiry Number: 4394412.9

August 31, 2015

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

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.

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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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Date EDR Searched Historical Sources:

Aerial Photography August 31, 2015

Target Property:

929 Baker Street

Costa Mesa, CA 92626

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	USGS
1947	Aerial Photograph. Scale: 1"=500'	Flight Year: 1947	Fairchild
1953	Aerial Photograph. Scale: 1"=500'	Flight Year: 1953	USGS
1963	Aerial Photograph. Scale: 1"=500'	Flight Year: 1963	USGS
1972	Aerial Photograph. Scale: 1"=500'	Flight Year: 1972	USGS
1977	Aerial Photograph. Scale: 1"=500'	Flight Year: 1977	EDR Proprietary Brewster Pacific
1987	Aerial Photograph. Scale: 1"=500'	Flight Year: 1987	USGS
1990	Aerial Photograph. Scale: 1"=500'	Flight Year: 1990	USGS
1995	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1995	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP



Site

INQUIRY #: 4394412.9

YEAR: 1938

| = 500'





Site

INQUIRY #: 4394412.9

YEAR: 1947

| = 500'





Site

INQUIRY #: 4394412.9

YEAR: 1953

— = 500'





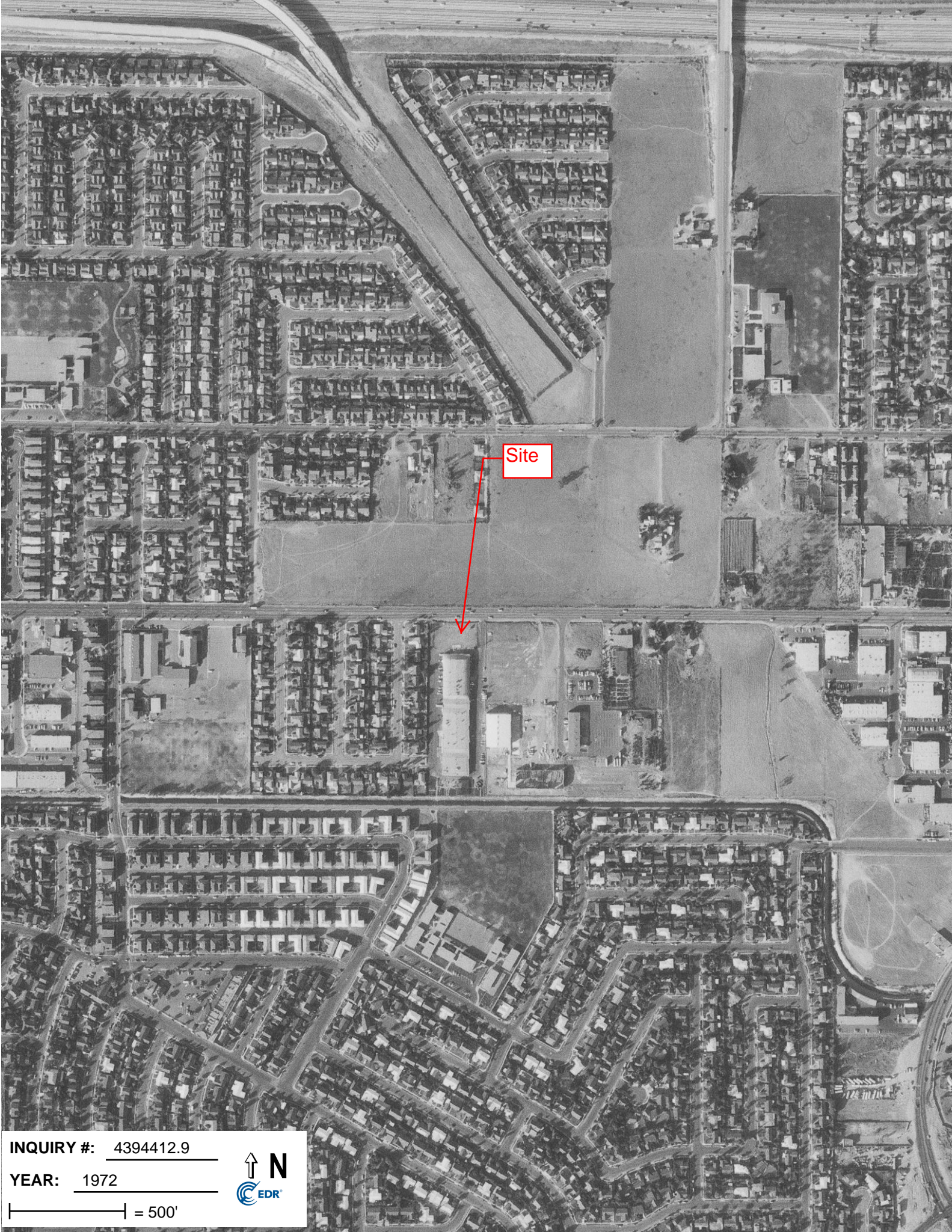
Site

INQUIRY #: 4394412.9

YEAR: 1963

| = 500'





Site

INQUIRY #: 4394412.9

YEAR: 1972

| = 500'





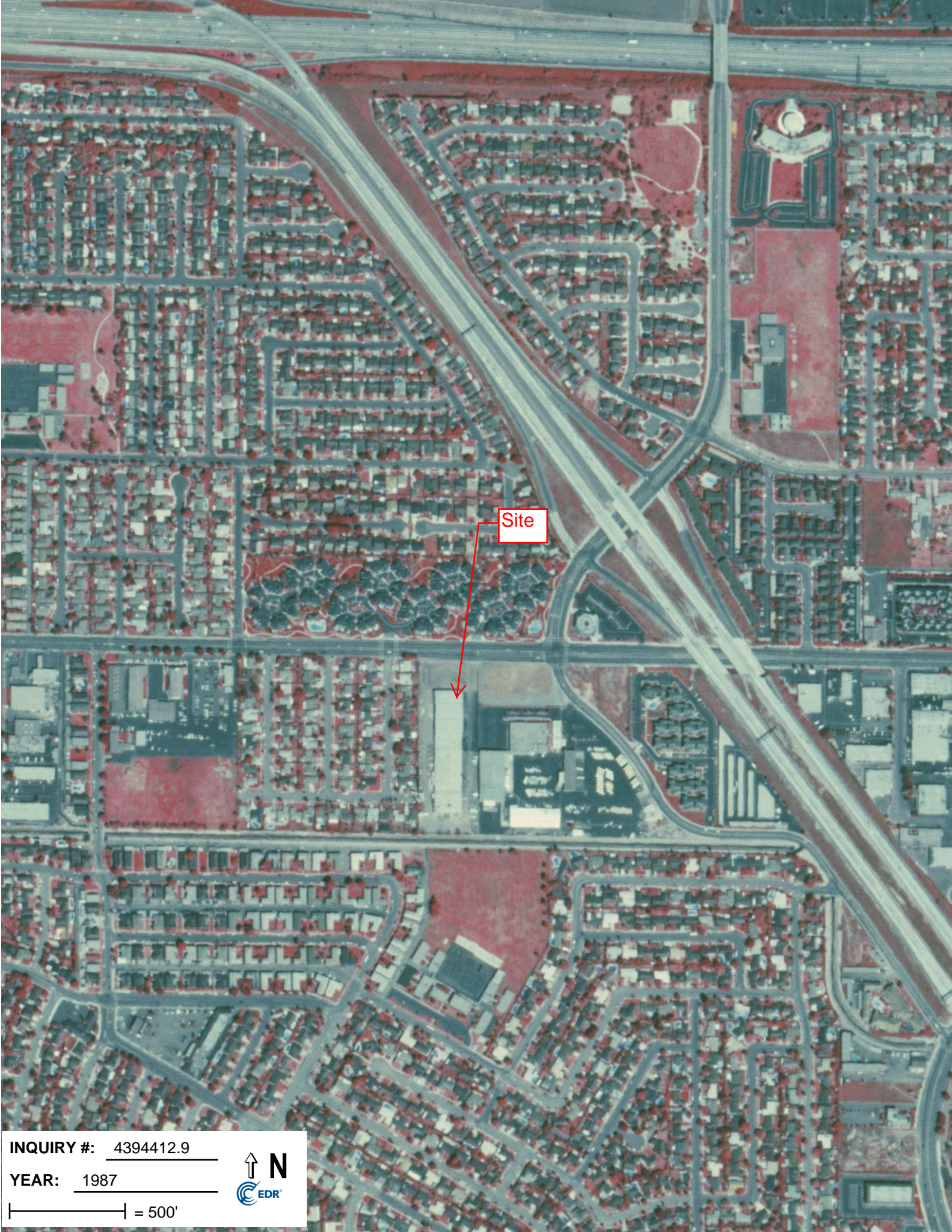
Site

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YEAR: 1977

| = 500'





Site

INQUIRY #: 4394412.9

YEAR: 1987

| = 500'





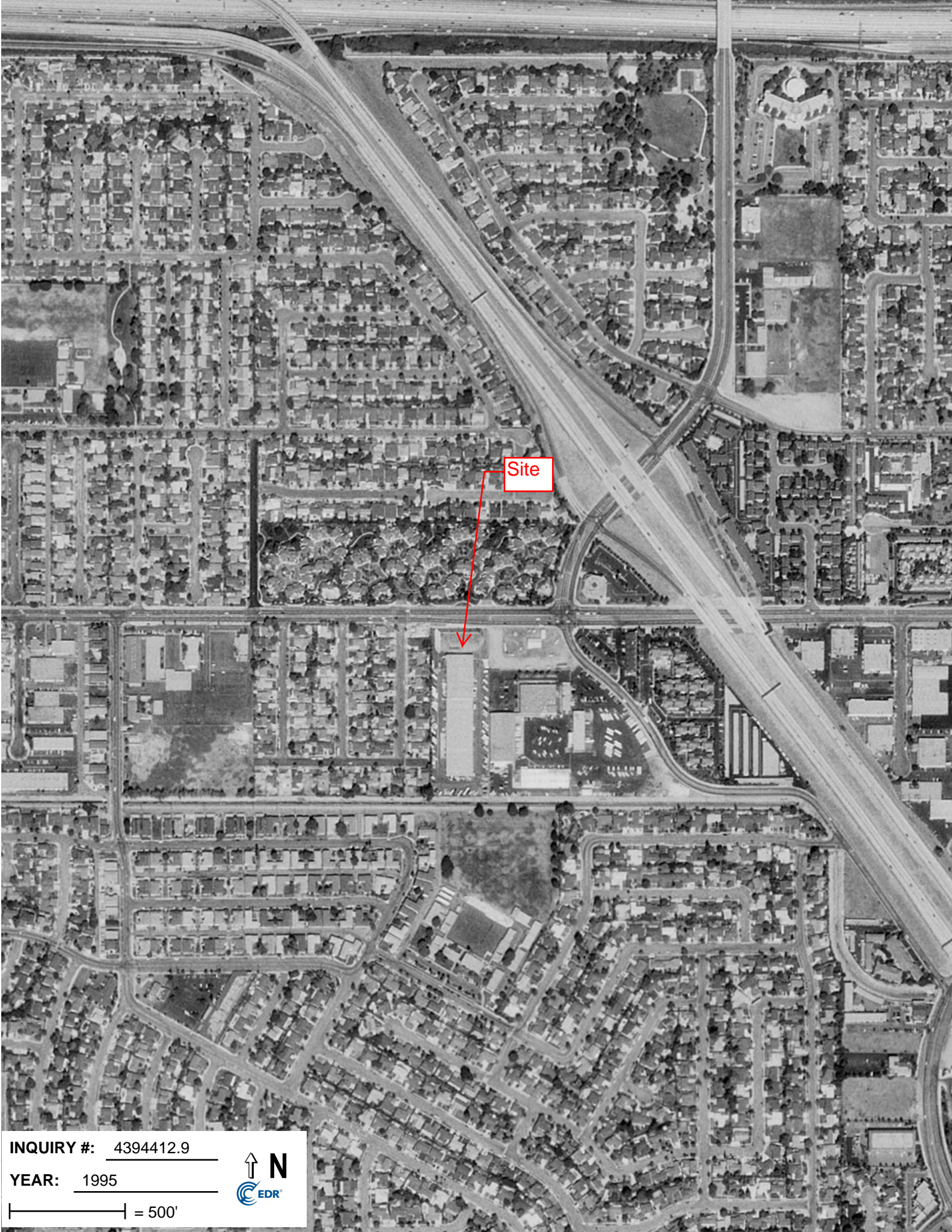
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YEAR: 1990

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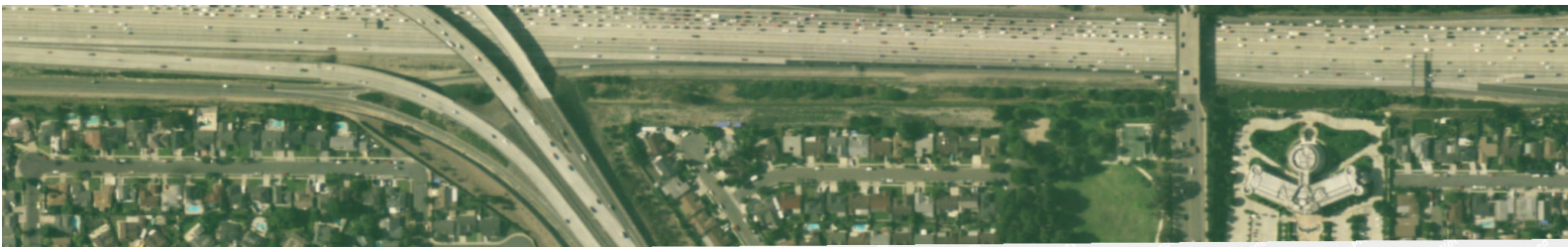
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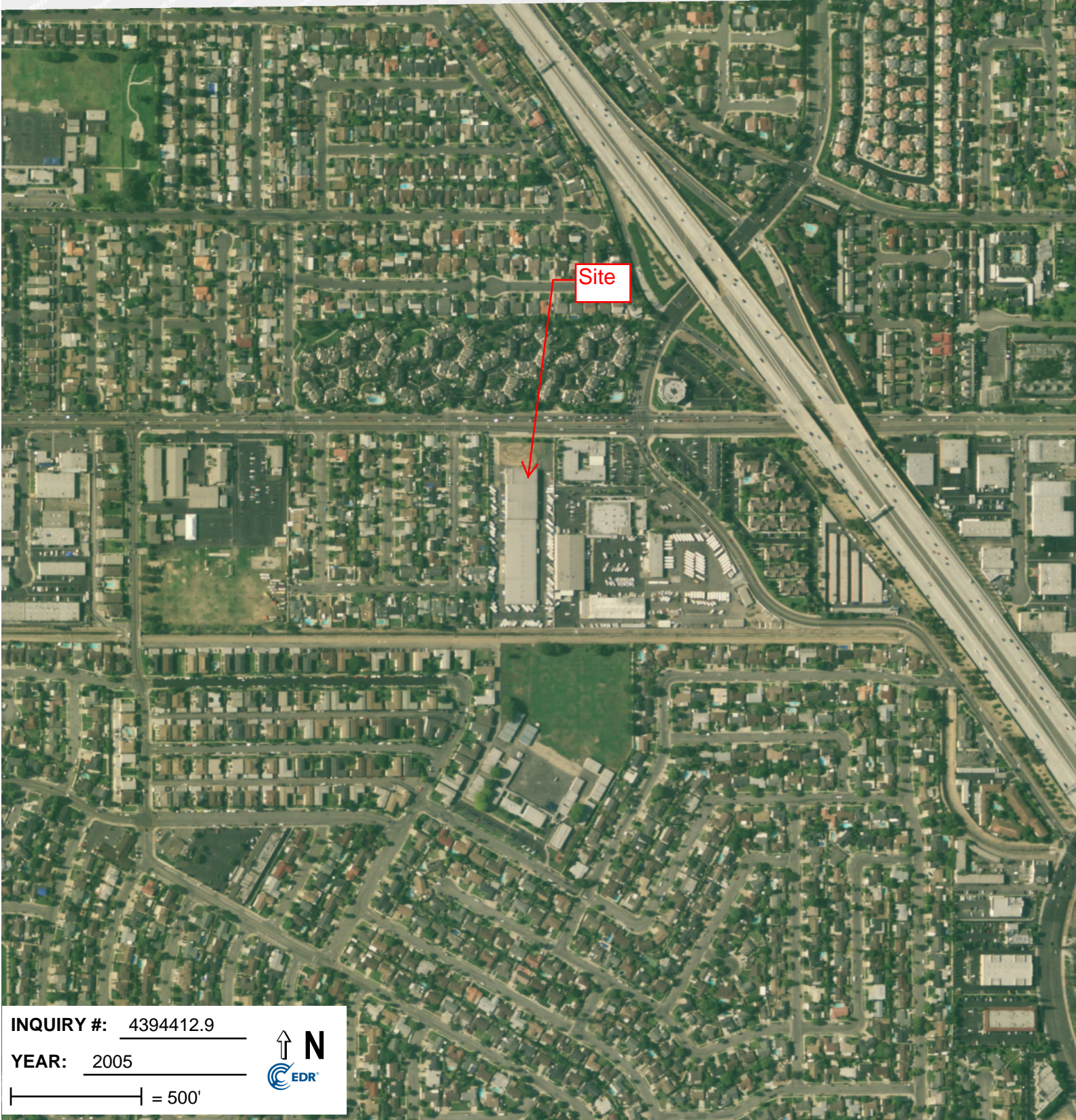
YEAR: 1995

| = 500'





Property Not Mapped



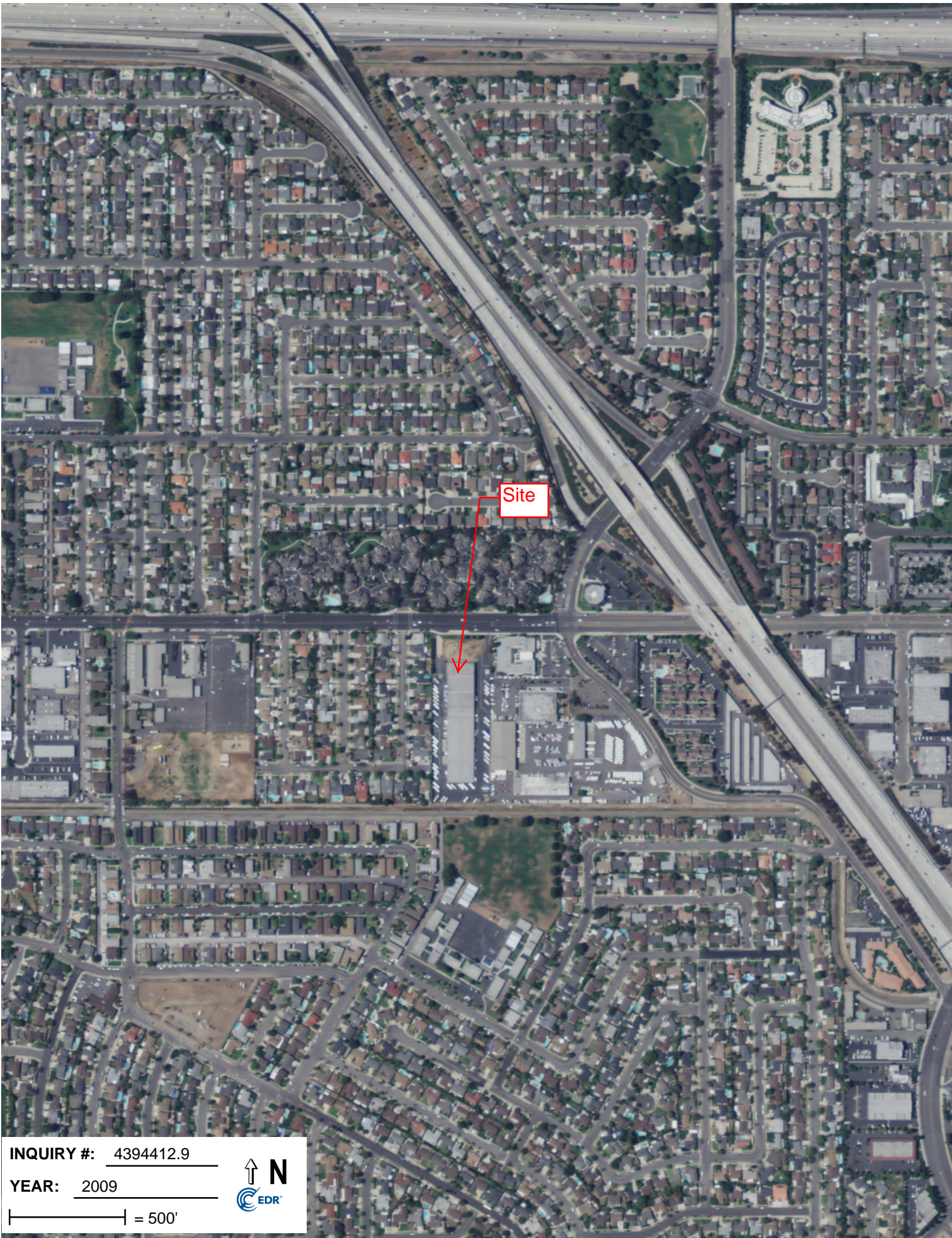
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YEAR: 2005

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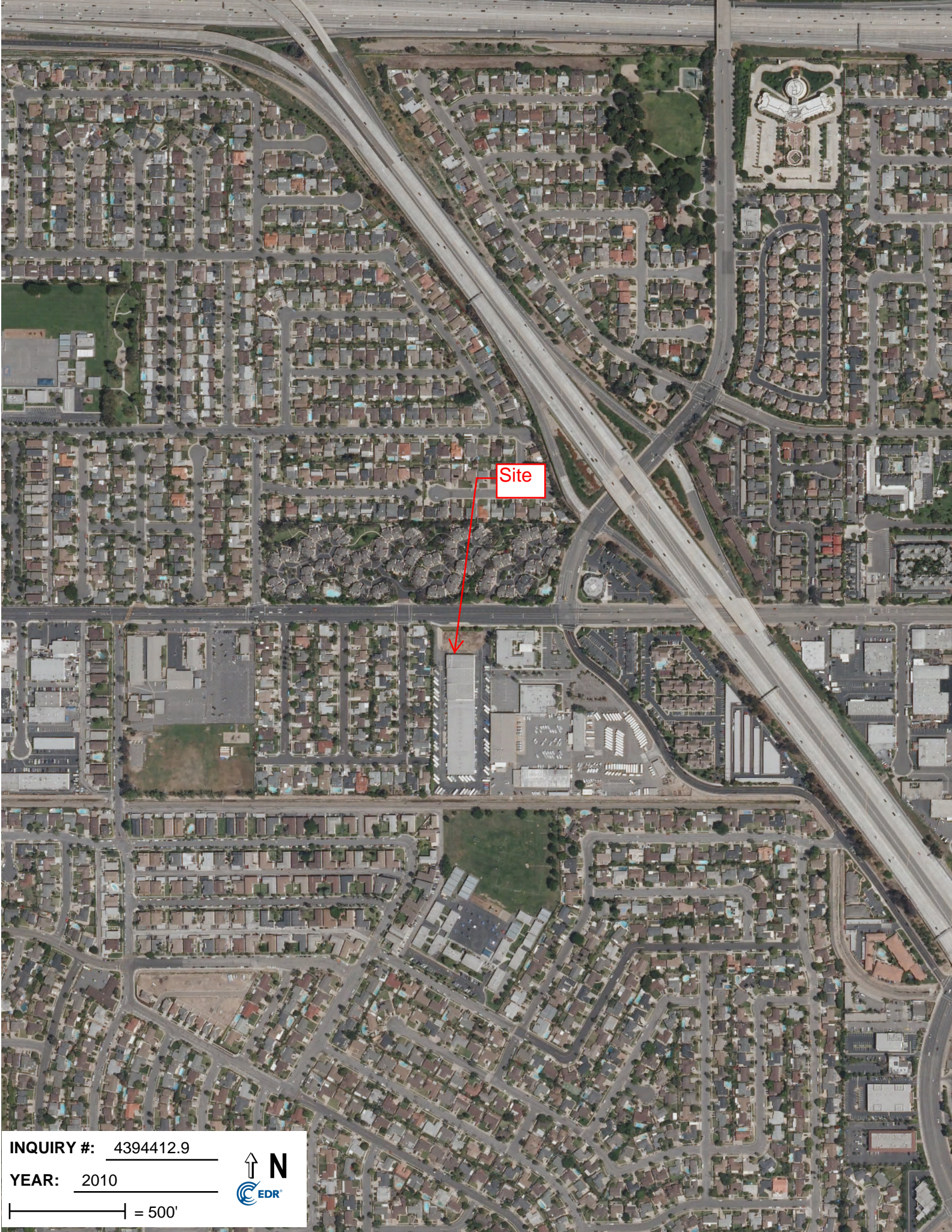
Site

INQUIRY #: 4394412.9

YEAR: 2009



| = 500'



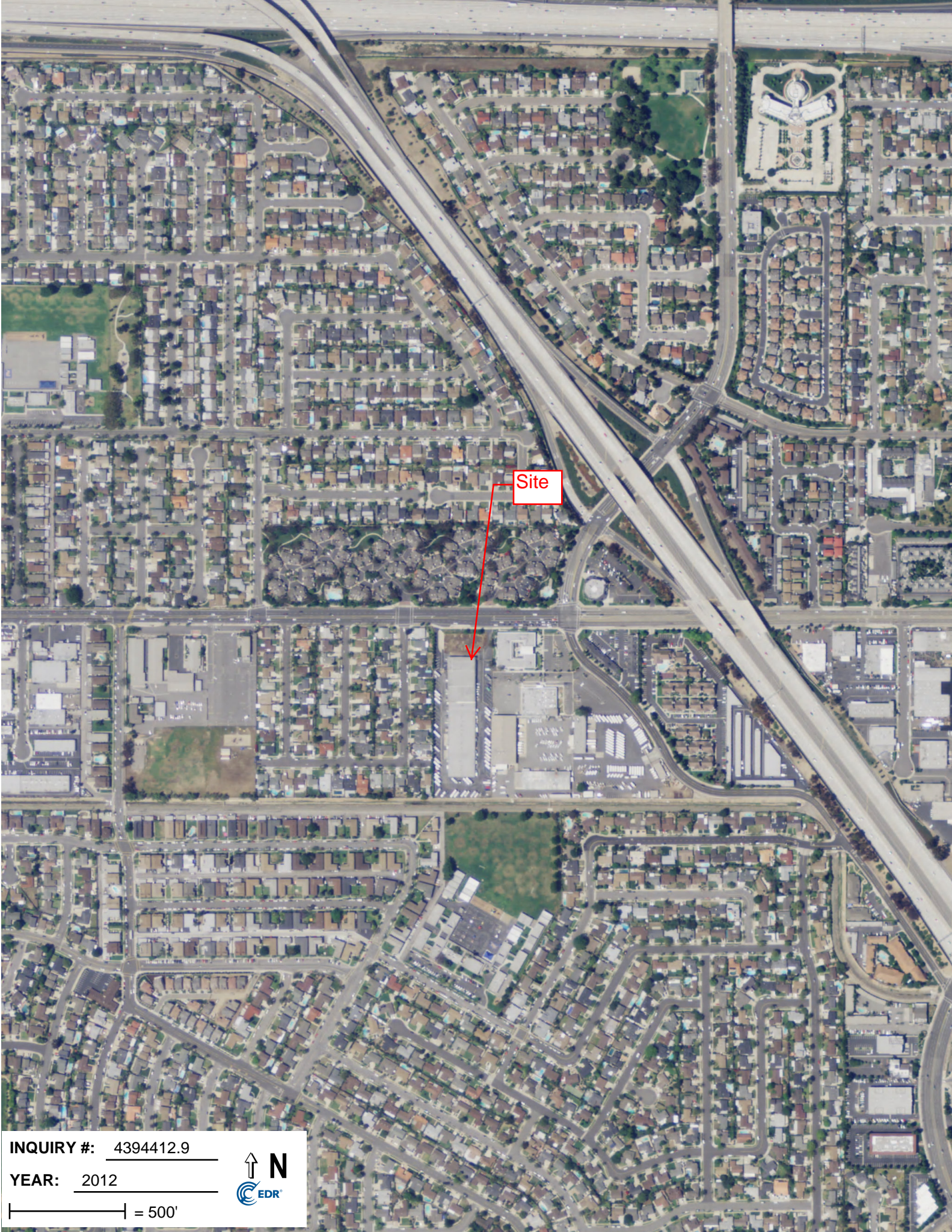
Site

INQUIRY #: 4394412.9

YEAR: 2010

| = 500'





Site

INQUIRY #: 4394412.9

YEAR: 2012

| = 500'





APPENDIX E
USGS TOPOGRAPHIC MAPS



De Nova Homes- Baker St.

929 Baker Street

Costa Mesa, CA 92626

Inquiry Number: 4394412.4

August 26, 2015

EDR Historical Topographic Map Report



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

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

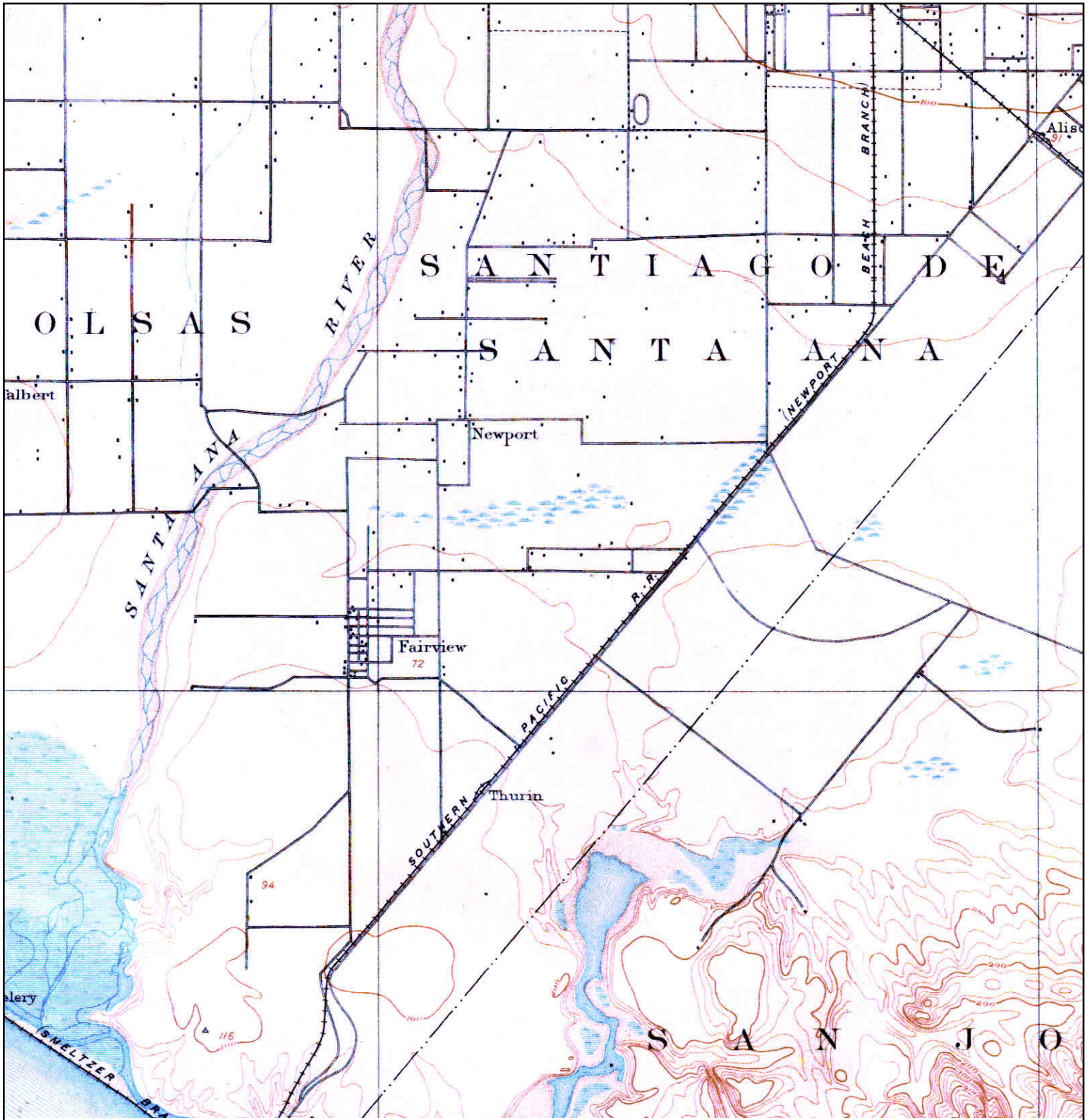
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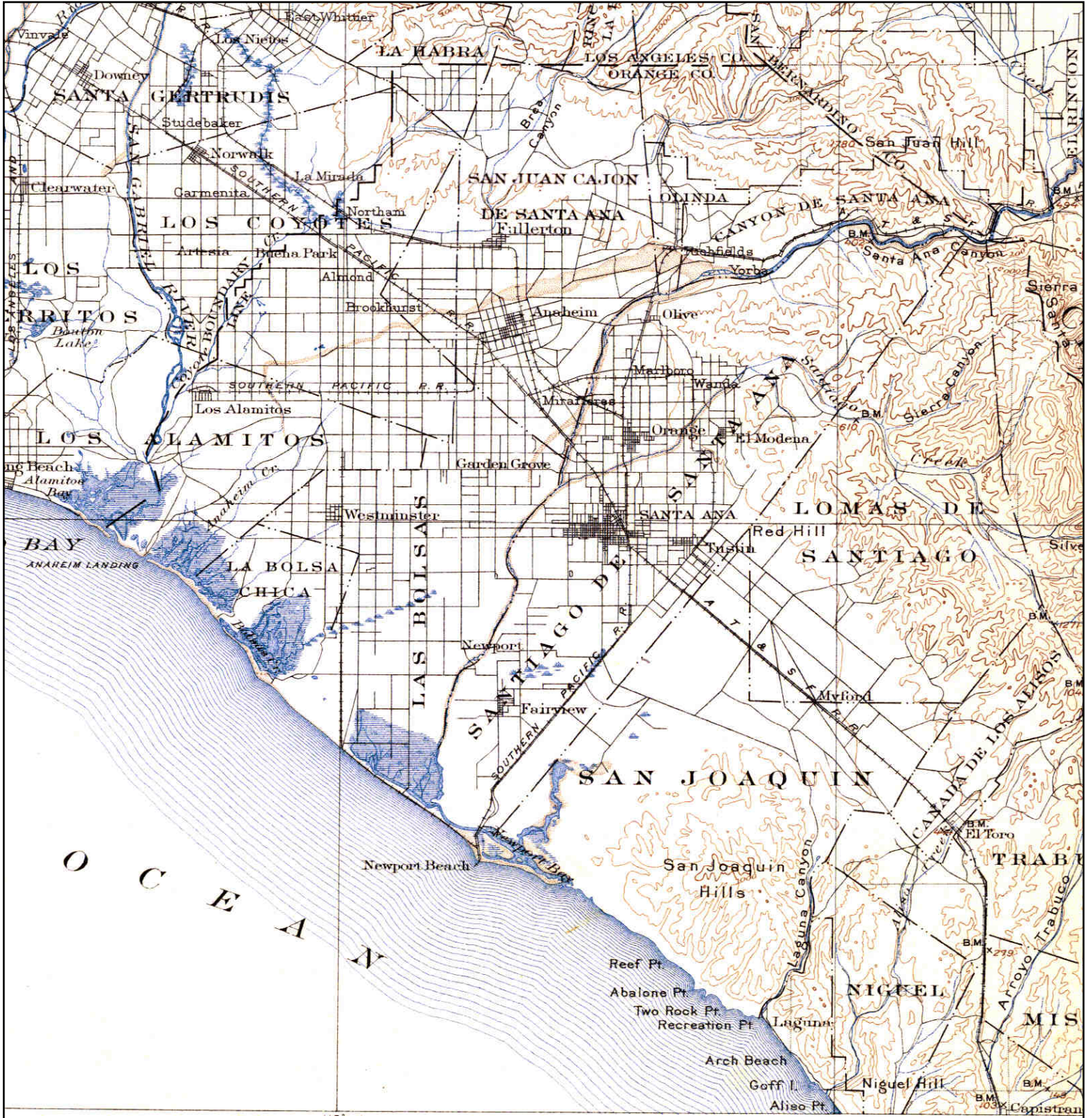
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Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: SANTA ANA MAP YEAR: 1901</p>	<p>SITE NAME: De Nova Homes- Baker St. ADDRESS: 929 Baker Street Costa Mesa, CA 92626 LAT/LONG: 33.6801 / -117.8958</p>	<p>CLIENT: Bureau Veritas North America, Inc. CONTACT: Sara Boyer INQUIRY#: 4394412.4 RESEARCH DATE: 08/26/2015</p>
	<p>SERIES: 15 SCALE: 1:62500</p>		

Historical Topographic Map



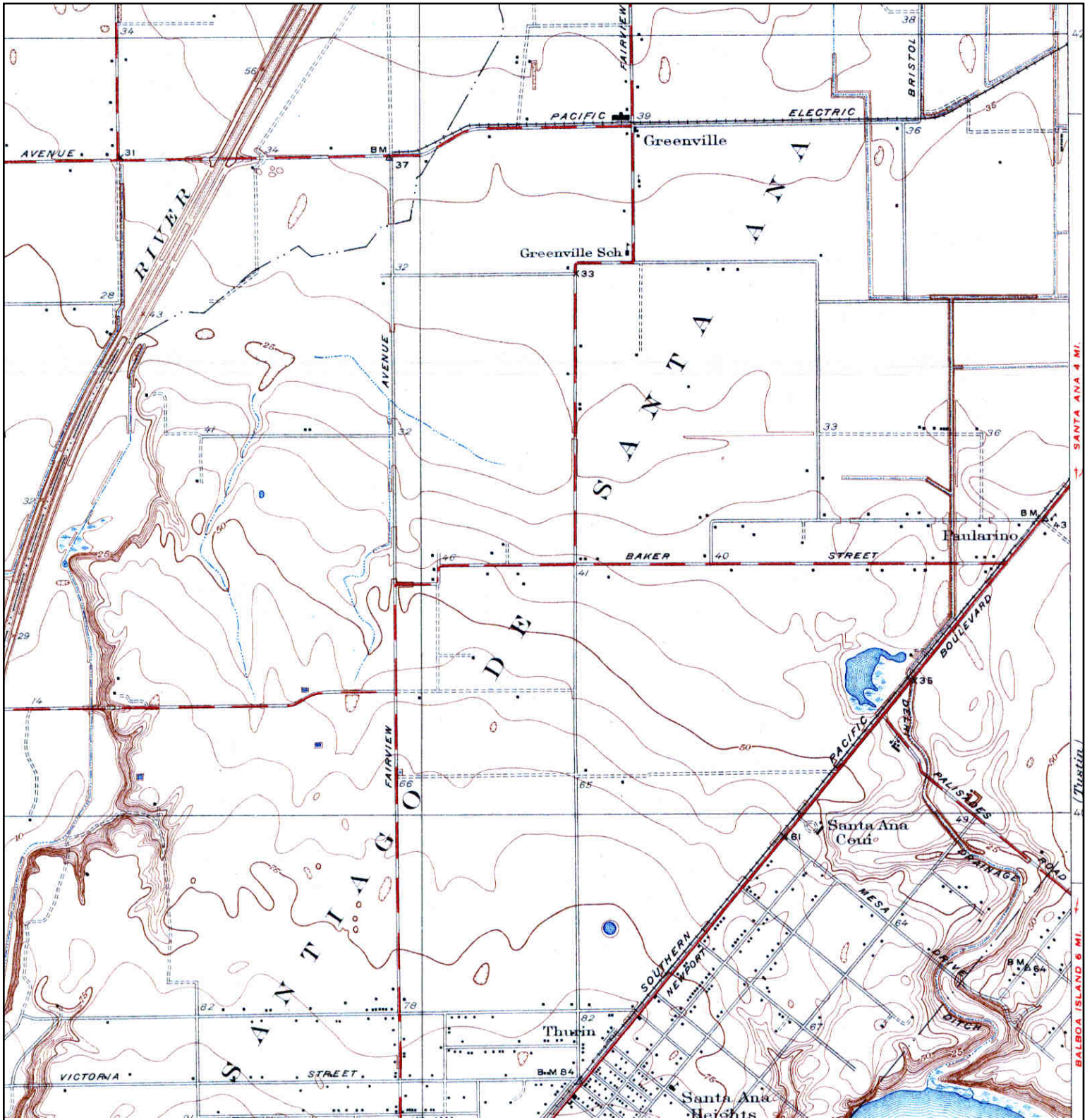
<p>N</p>	TARGET QUAD	SITE NAME: De Nova Homes- Baker St.	CLIENT: Bureau Veritas North America, Inc.
	NAME: SOUTHERN CA SHEET 1	ADDRESS: 929 Baker Street	
	MAP YEAR: 1901	COSTA MESA, CA 92626	CONTACT: Sara Boyer
		LAT/LONG: 33.6801 / -117.8958	INQUIRY#: 4394412.4
	SERIES: 60		RESEARCH DATE: 08/26/2015
	SCALE: 1:250000		


Historical Topographic Map



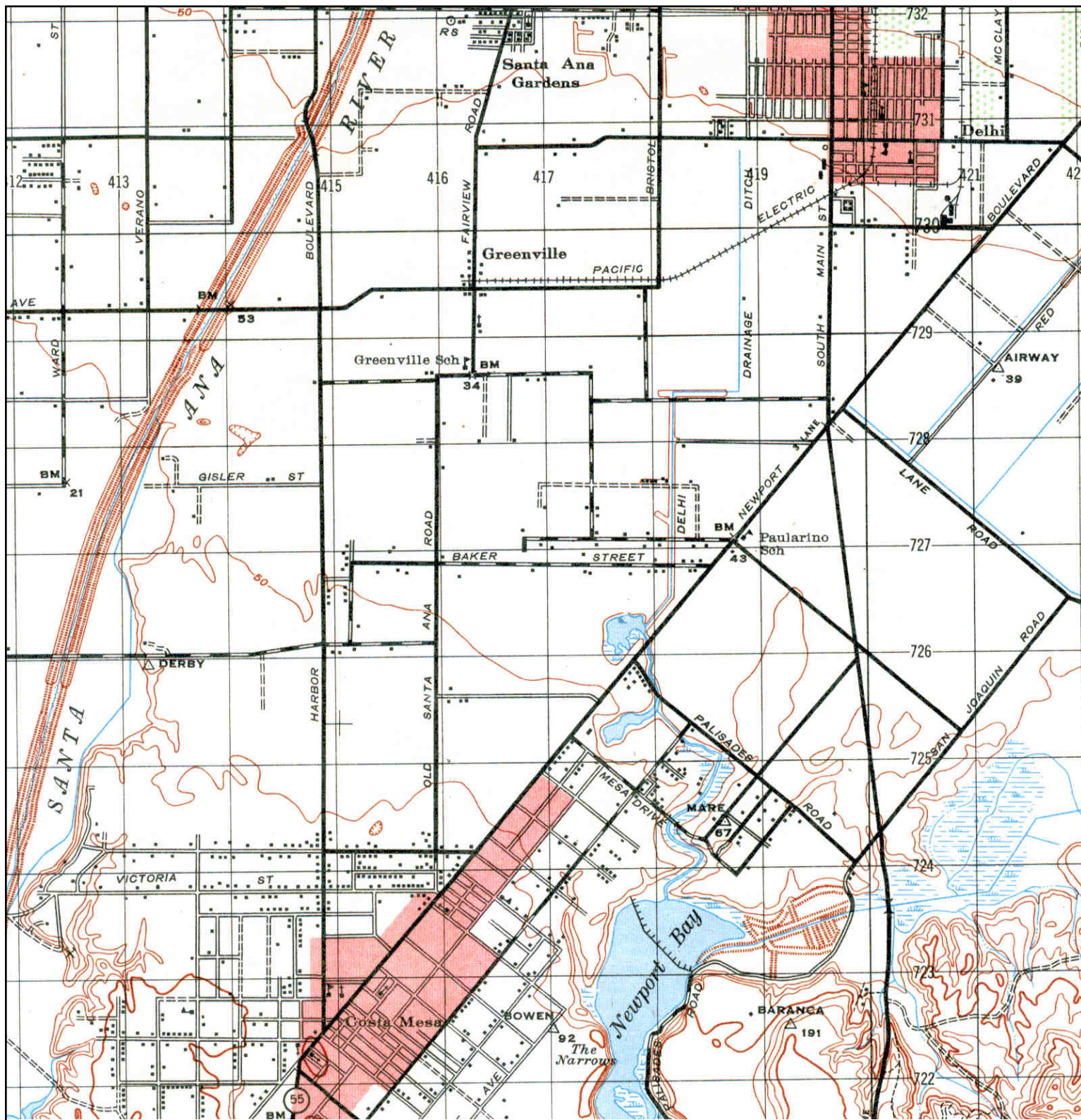
<p>N ↑</p>	<p>TARGET QUAD NAME: CORONA MAP YEAR: 1902</p>	<p>SITE NAME: De Nova Homes- Baker St. ADDRESS: 929 Baker Street Costa Mesa, CA 92626 LAT/LONG: 33.6801 / -117.8958</p>	<p>CLIENT: Bureau Veritas North America, Inc. CONTACT: Sara Boyer INQUIRY#: 4394412.4 RESEARCH DATE: 08/26/2015</p>
	<p>SERIES: 30 SCALE: 1:125000</p>		

Historical Topographic Map



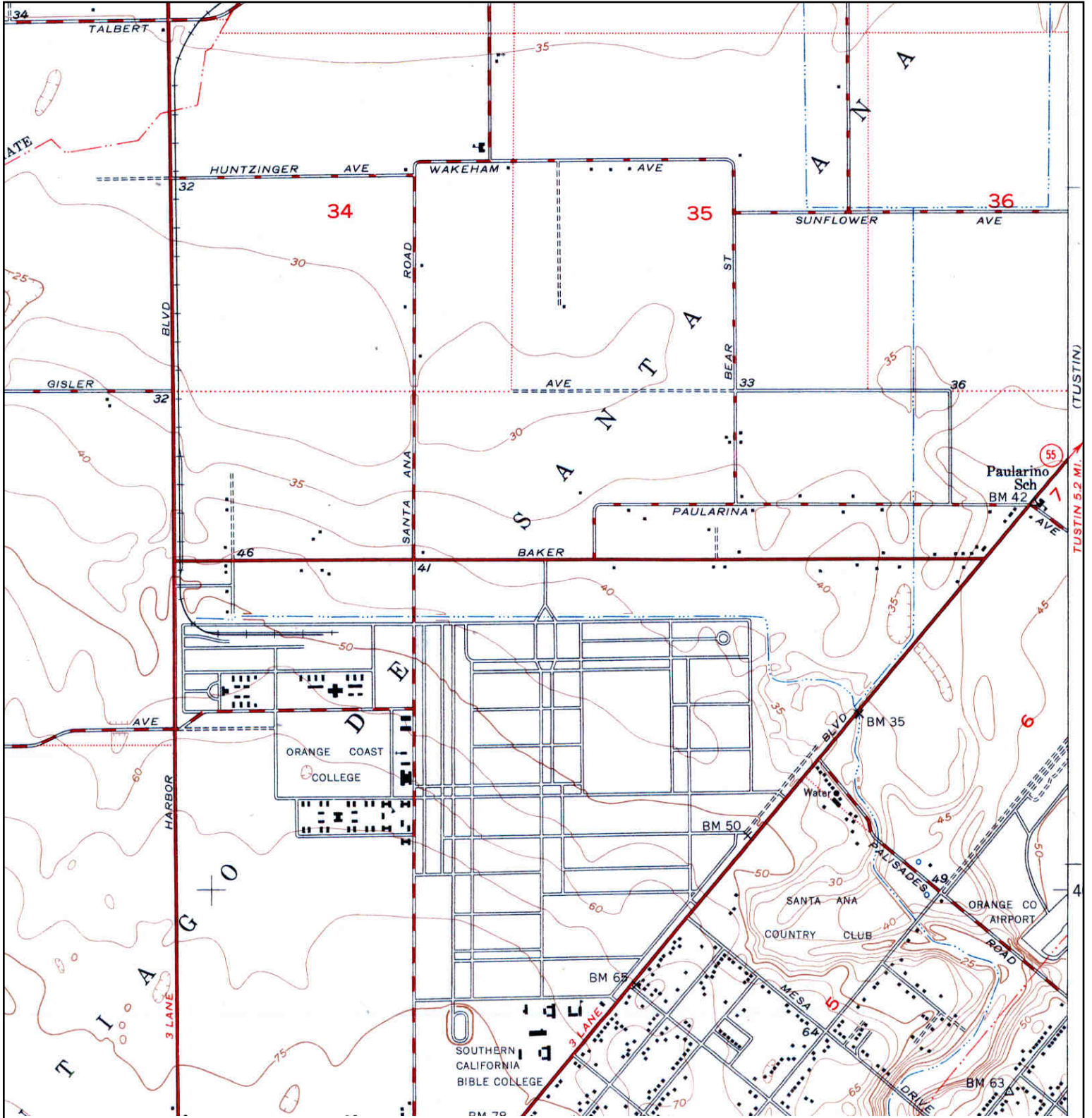
<p>N</p> 	<p>TARGET QUAD</p> <p>NAME: NEWPORT BEACH</p> <p>MAP YEAR: 1935</p>	<p>SITE NAME: De Nova Homes- Baker St.</p> <p>ADDRESS: 929 Baker Street Costa Mesa, CA 92626</p> <p>LAT/LONG: 33.6801 / -117.8958</p>	<p>CLIENT: Bureau Veritas North America, Inc.</p> <p>CONTACT: Sara Boyer</p> <p>INQUIRY#: 4394412.4</p> <p>RESEARCH DATE: 08/26/2015</p>
	<p>SERIES: 7.5</p> <p>SCALE: 1:31680</p>		

Historical Topographic Map



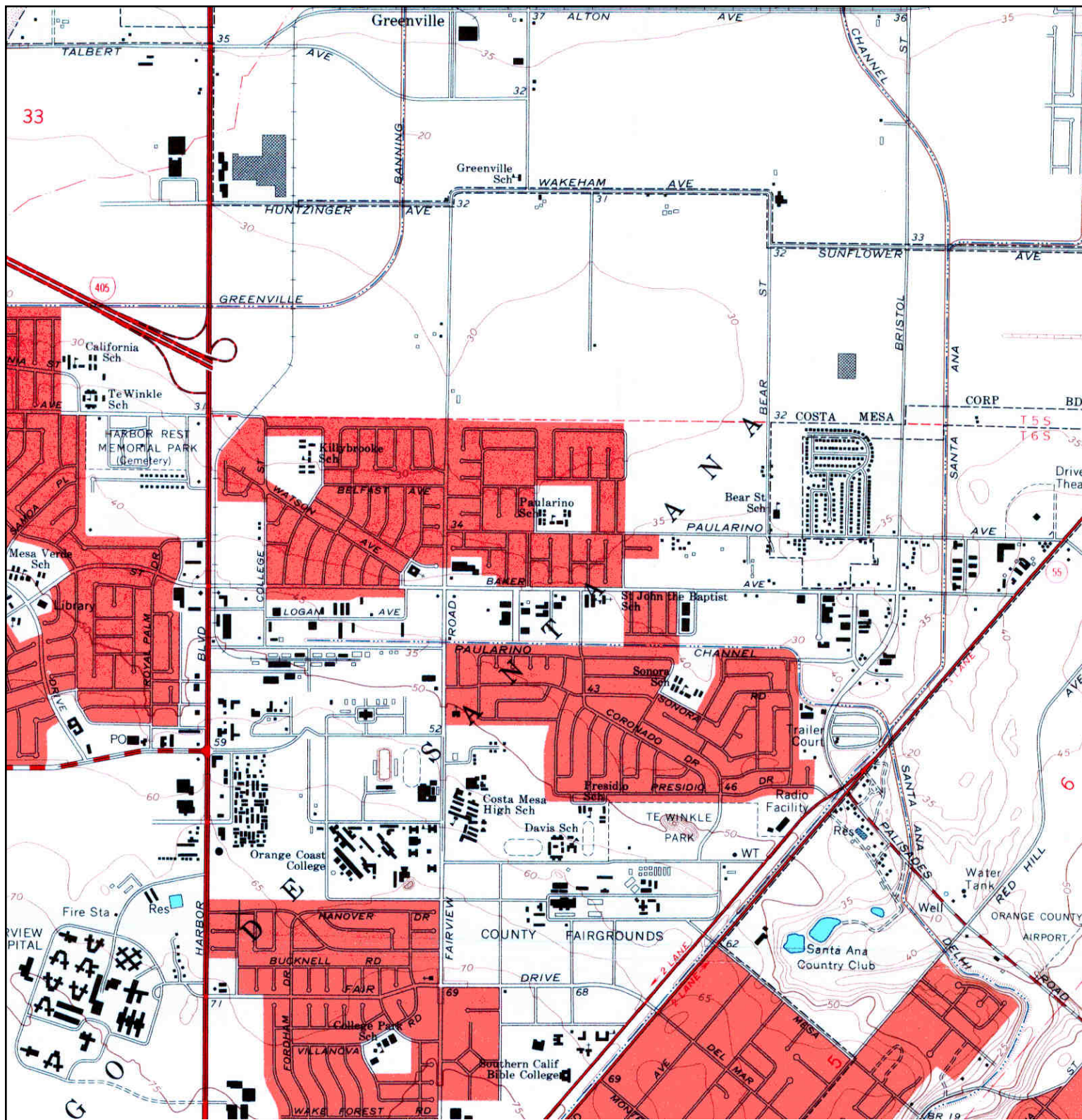
	TARGET QUAD	SITE NAME: De Nova Homes- Baker St.	CLIENT: Bureau Veritas North America, Inc.
	NAME: SANTA ANA	ADDRESS: 929 Baker Street	CONTACT: Sara Boyer
	MAP YEAR: 1942	COSTA MESA, CA 92626	INQUIRY#: 4394412.4
	SERIES: 15	LAT/LONG: 33.6801 / -117.8958	RESEARCH DATE: 08/26/2015
	SCALE: 1:50000		


Historical Topographic Map



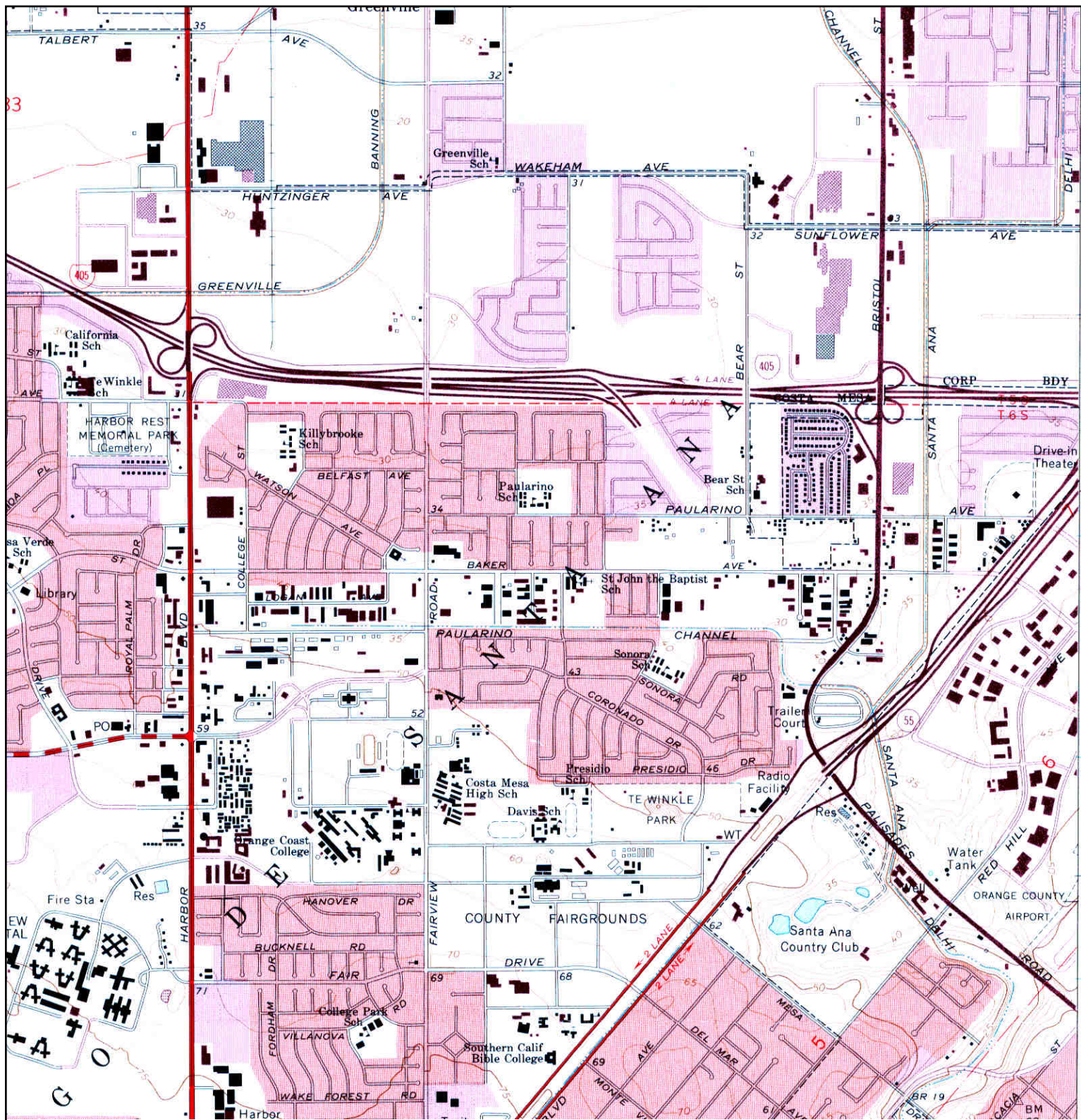
<p>N ↑</p>	<p>TARGET QUAD NAME: NEWPORT BEACH MAP YEAR: 1951</p>	<p>SITE NAME: De Nova Homes- Baker St. ADDRESS: 929 Baker Street Costa Mesa, CA 92626 LAT/LONG: 33.6801 / -117.8958</p>	<p>CLIENT: Bureau Veritas North America, Inc. CONTACT: Sara Boyer INQUIRY#: 4394412.4 RESEARCH DATE: 08/26/2015</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>		

Historical Topographic Map



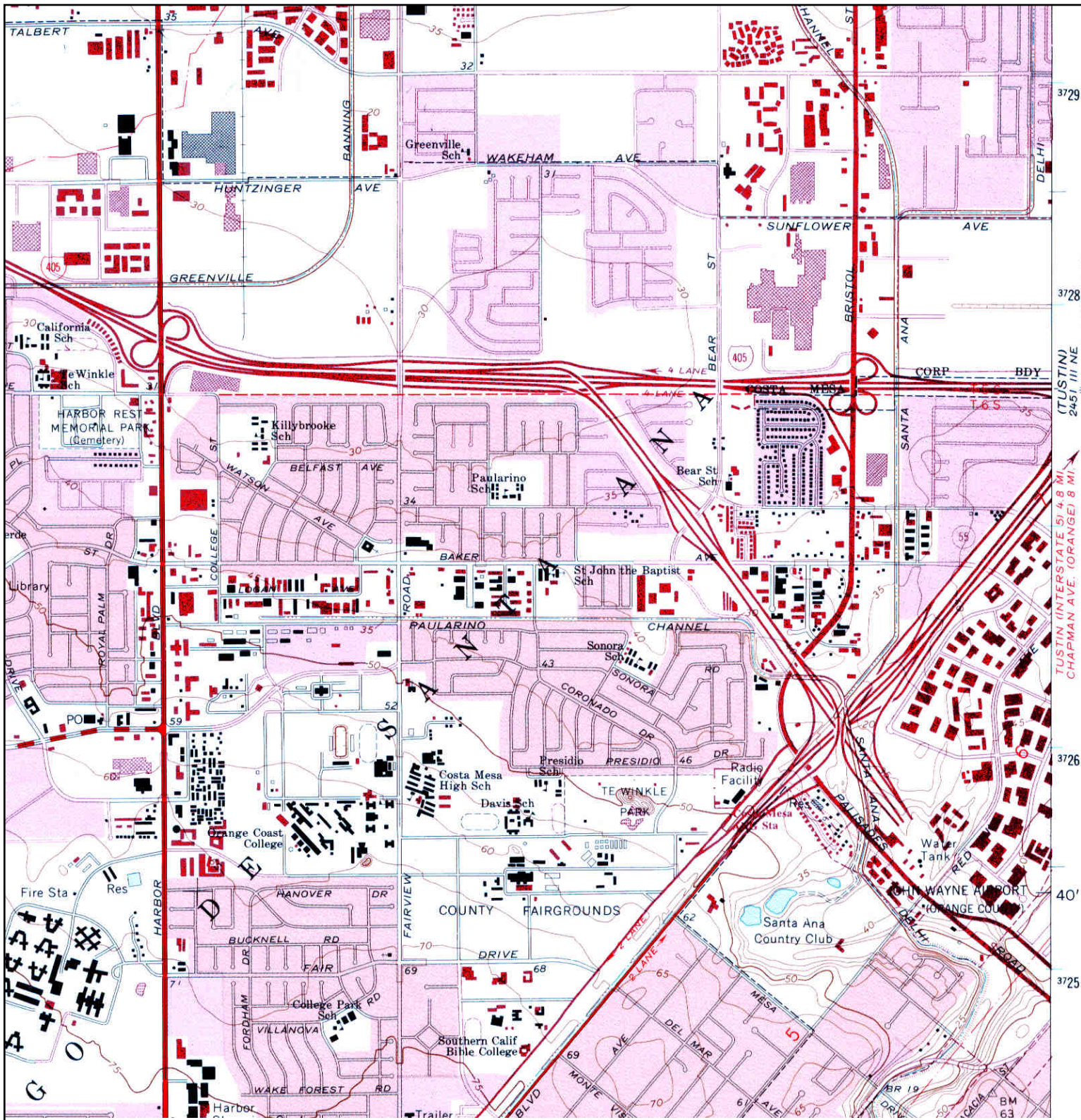
	TARGET QUAD NAME: NEWPORT BEACH MAP YEAR: 1965	SITE NAME: De Nova Homes- Baker St. ADDRESS: 929 Baker Street Costa Mesa, CA 92626 LAT/LONG: 33.6801 / -117.8958	CLIENT: Bureau Veritas North America, Inc. CONTACT: Sara Boyer INQUIRY#: 4394412.4 RESEARCH DATE: 08/26/2015
	SERIES: 7.5 SCALE: 1:24000		

Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: NEWPORT BEACH MAP YEAR: 1972 PHOTOREVISED FROM :1965 SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: De Nova Homes- Baker St. ADDRESS: 929 Baker Street Costa Mesa, CA 92626 LAT/LONG: 33.6801 / -117.8958</p>	<p>CLIENT: Bureau Veritas North America, Inc. CONTACT: Sara Boyer INQUIRY#: 4394412.4 RESEARCH DATE: 08/26/2015</p>
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Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME: De Nova Homes- Baker St.	CLIENT: Bureau Veritas North America, Inc.
	NAME: NEWPORT BEACH	ADDRESS: 929 Baker Street	CONTACT: Sara Boyer
	MAP YEAR: 1981	Costa Mesa, CA 92626	INQUIRY#: 4394412.4
	PHOTOREVISED FROM :1965	LAT/LONG: 33.6801 / -117.8958	RESEARCH DATE: 08/26/2015
	SERIES: 7.5		
	SCALE: 1:24000		



APPENDIX F

FIRE INSURANCE MAPS



De Nova Homes- Baker St.

929 Baker Street

Costa Mesa, CA 92626

Inquiry Number: 4394412.3

August 26, 2015

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

8/26/15

Site Name:

De Nova Homes- Baker St.
929 Baker Street
Costa Mesa, CA 92626

Client Name:

Bureau Veritas North America,
1665 Scenic Ave, Ste 200
Costa Mesa, CA 92626-0000



EDR Inquiry # 4394412.3

Contact: Sara Boyer

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Certified Sanborn Results:

Site Name: De Nova Homes- Baker St.
Address: 929 Baker Street
City, State, Zip: Costa Mesa, CA 92626
Cross Street:
P.O. # 25015-015276.00
Project: De Nova Homes- Baker St.
Certification # 336D-465B-A4E3



Sanborn® Library search results
Certification # 336D-465B-A4E3

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

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APPENDIX G

CITY DIRECTORIES

De Nova Homes- Baker St.

929 Baker Street
Costa Mesa, CA 92626

Inquiry Number: 4394412.5
August 26, 2015

The EDR-City Directory Abstract

TABLE OF CONTENTS

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Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2013	Cole Information Services	X	X	X	-
2008	Cole Information Services	X	X	X	-
2003	Cole Information Services	X	X	X	-
2002	Haines Company	X	X	X	-
2001	Pacific Telephone	-	-	-	-
1997	Pacific Bell	-	-	-	-
1995	Pacific Bell	-	X	X	-
1992	Pacific Bell	-	-	-	-
1991	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1975	Luskey Brothers & Co., Inc.	-	X	X	-
1971	Luskey Brothers Co., Inc.	-	-	-	-
1970	General Telephone Co., of California	X	X	X	-
1966	Pacific Telephone	X	X	X	-
1965	Ross Publications, Inc.,	-	-	-	-
1961	Luskey Brothers & Co.,	-	-	-	-
1960	Luskey Brothers & Co.,	-	X	X	-
1956	Luskey Brothers	-	X	X	-
1955	The Pacific Telephone and Telegraph Co.	-	-	-	-
1952	Luskeys Directory Service Co.	-	-	-	-
1950	West Directory Co.	-	-	-	-
1946	Southern California Telephone Co.	-	-	-	-
1945	Western Directory Co.	-	-	-	-
1941	Southern California Telephone Co.	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1936	Western Directory Co.	-	-	-	-
1930	Western Directory Co.	-	-	-	-
1926	Pacific Telephone	-	-	-	-
1925	Western Directory Co.	-	-	-	-
1922	Kaasen Directory Co.	-	-	-	-
1921	Western Directory Co.	-	-	-	-
1920	Santa Ana Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

929 Baker Street
Costa Mesa, CA 92626

FINDINGS DETAIL

Target Property research detail.

BAKER

929 BAKER

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	DELTRONIC CORP	General Telephone Co., of California
	LIDO VAN & STORAGE	General Telephone Co., of California

BAKER DR

929 BAKER DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	DELTRONIC CORP	General Telephone Co., of California

BAKER ST

929 BAKER ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	BAKER STREET SELF STORAGE	Cole Information Services
2008	BAKER STREET SELF STORAGE	Cole Information Services
2003	BAKER STREET SELF STORAGE	Cole Information Services
2002	BAKERSTREETSTRG	Haines Company
1966	Costa Mesa Knitting Mills Inc	Pacific Telephone
	DELTRONIC CORP	Pacific Telephone
	FRANKS GARAGE	Pacific Telephone
	HI PRECISION GRINDING	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

BAKER DR

891 BAKER DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	L & M LAWN MOWER SHOP	General Telephone Co., of California
	L & M Nursery	General Telephone Co., of California

BAKER ST

890 BAKER ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	MAID 4 YOU HOME CLEANING PROFESSIONA	Cole Information Services
	KUMON MATH & READING CENTERS	Cole Information Services
	WEST COAST SCHOOL OF THE ARTS	Cole Information Services
2003	MAID 4	Cole Information Services
	DATA VERSE	Cole Information Services
	MAID 4 YOU HOME CLNNG PRFSNL	Cole Information Services
	AMERICAN INTERBANC MORTGAGE	Cole Information Services
	GRIFFIN MEDICAL GROUP	Cole Information Services
2002	GROUP IVARALANCMD	Haines Company
	GRIFFIN MEDICAL	Haines Company
	FREEMANJOHNHMD	Haines Company
	BARRIMICHAELMD	Haines Company
	AMERICANINTERBANC	Haines Company
	MORRISONTheresa	Haines Company

891 BAKER ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	KITSCH BAR	Cole Information Services
	MANPUKU TOKOYO BARBEQUE DINING	Cole Information Services
	GABRIELLA TN PHAM DDS INC	Cole Information Services
	MATTHEW KENNEDY STATE FARM INSURAN	Cole Information Services
	R CLEANERS 2	Cole Information Services
	AMNET COSTA MESA	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	CHINESE RESTAURANT KOHRYU	Cole Information Services
	COSTA MESA WINE & SPIRITS	Cole Information Services
	ELEGANTE NAILS	Cole Information Services
	CRYSTAL CAVE	Cole Information Services
	KOZOS HAIR SALON	Cole Information Services
	TAKAYA YAKITORI	Cole Information Services
	CIAO DELI & PIZZERIA	Cole Information Services
2008	VIBI CLEANER	Cole Information Services
	STATE FARM INSURANCE	Cole Information Services
	ELEGANTE NAIL SPA & HAIR SALON	Cole Information Services
	SANKEI GLOBAL VENTURE INC	Cole Information Services
	CHINESE RESTAURANT KOHRYU	Cole Information Services
	FIRE WOOD OVEN PIZZA	Cole Information Services
	LJ ENTERPRISES	Cole Information Services
	PIZZA MAN	Cole Information Services
	KENNEDY MATTHEW	Cole Information Services
	YUMMY PIZZA	Cole Information Services
	HANA NO KI RESTAURANT	Cole Information Services
	CRYSTAL CAVE	Cole Information Services
	7 DAYS LIQUOR	Cole Information Services
	COSTA MESA COSMETIC DENTISTRY	Cole Information Services
	KOZOS HAIR SALON	Cole Information Services
PAGERS UNLIMITED	Cole Information Services	
2003	MATTHEW KENNEDY	Cole Information Services
	ODESSA COLLISION CTR	Cole Information Services
	VYVY TAILORING	Cole Information Services
	FIRE WOOD OVEN PIZZA	Cole Information Services
	ELEGANTE BEAUTY SUPPLY & SALON	Cole Information Services
	CARLSEN CUSTOM CABINETS INC	Cole Information Services
	ROSE DONUTS	Cole Information Services
	RUN WIRELESS	Cole Information Services
	STEREO UNLIMITED	Cole Information Services
	COSTA M AMNET	Cole Information Services
PAGERS UNLIMITED	Cole Information Services	
2002	KITSCH BAR	Cole Information Services
	DENTISTRY&BRACES CRYSTALCAVE	Haines Company
	BUILDING CLUBSHIKI	Haines Company
	COSTAMSA	Haines Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	ELEGANTEBEAUTY	Haines Company
	SPL FIRE OVEN PIZZATHE	Haines Company
	FIREOVEN PIZZATHE	Haines Company
1966	L & M Nursery	Pacific Telephone
	L & M LAWN MOWER SHOP	Pacific Telephone

907 BAKER ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Mc Kinley M A Virginia	Pacific Telephone

927 BAKER ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	XXXX	Haines Company

BEAR

2985 BEAR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Newport Mesa Unified School District	Pacific Bell
	Fiscal Services	Pacific Bell
	Business Services	Pacific Bell
	Newport Mesa Unified School District	Pacific Bell

BEAR ST

2981 BEAR ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	XXXX	Haines Company

2985 BEAR ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	NEWPORT MESA UNIFIED SCHOOL DISTRICT	Cole Information Services
2008	HARBOR CNCIL PRENT TACHER ASSN	Cole Information Services
2003	NEWPORT MESA UNIFIED SCHL DIST	Cole Information Services

CROFTDON ST

2950 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Smanlotto Mark	Pacific Bell

FINDINGS

2953 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	FAIRBANKS Danrel	Haines Company

2957 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	JC TREE SERVICE	Cole Information Services
2002	ANDERSONJefrey	Haines Company
1975	Luxembourger Jerry R	Luskey Brothers & Co., Inc.
	Luxembourger Jerry R	Luskey Brothers & Co., Inc.
1970	Oliver Richard	General Telephone Co., of California

2958 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	NANOTECHNIK PRODUCTIONS	Cole Information Services
2002	GREEN Ronald	Haines Company
1991	Smaniotto Mark	Pacific Bell
1986	Smaniotto Mark	Pacific Bell
1980	Davenport Clarence A	Pacific Telephone
1975	Lewandowski Matthew	Luskey Brothers & Co., Inc.
1970	Lewandowski Matthew	General Telephone Co., of California

2963 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	GEORGE KOZUMA	Cole Information Services
2003	GEORGE KOZUMA	Cole Information Services
1986	Kozuma Geo H gardnr	Pacific Bell
1980	Kozuma Geo H gardnr	Pacific Telephone
1975	Kozuma Geo H gardnr	Luskey Brothers & Co., Inc.
1970	Kozuma Geo H gardnr	General Telephone Co., of California

2964 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	NABUDA Thomas	Haines Company
1970	Bullard Don	General Telephone Co., of California

2967 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	FEHERAIhce	Haines Company

FINDINGS

2968 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	OMARUYAMAMim	Haines Company
1991	Maruyama Min	Pacific Bell
1980	Ishihara Toichi	Pacific Telephone
1975	Matsubara Tom	Luskey Brothers & Co., Inc.
1970	Matsubara Tom	General Telephone Co., of California

2973 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	BRAUNJason R	Haines Company
1991	Gaydon Keith	Pacific Bell
	Gaydon T	Pacific Bell
1986	Gaydon Keith	Pacific Bell
1975	Pham Duc Trong	Luskey Brothers & Co., Inc.

2974 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	BLANSETMary	Haines Company

2977 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	BUCKLEYBrace H	Haines Company
1995	Buckley Bruce H	Pacific Bell
1991	Buckley Bruce H	Pacific Bell
1986	Buckley Bruce H	Pacific Bell
1980	Buckley Bruce H	Pacific Telephone
	Buckley CE	Pacific Telephone
1975	Buckley Bruce H	Luskey Brothers & Co., Inc.
1970	Buckley Bruce H	General Telephone Co., of California

2978 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	MULLERRoge	Haines Company
1986	Connell Eugene	Pacific Bell
1980	Conneli Eugene	Pacific Telephone
1975	Connell Eugene	Luskey Brothers & Co., Inc.

2983 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	EMPIRE SALON	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	EMPIRE SALON	Cole Information Services
1995	Starrs Robert	Pacific Bell
1991	Storms Robert	Pacific Bell
1980	Torkelson Owen	Pacific Telephone
	I Torkelson R A	Pacific Telephone
1970	Spytman Lee E	General Telephone Co., of California

2984 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	VERMILLIONGrace	Haines Company
1970	Ja Ms Robt H	General Telephone Co., of California

2987 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	NGUYENRi	Haines Company
1986	Roll Thos	Pacific Bell
	Roll Thos R Atty	Pacific Bell

2988 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	AYRESErnest	Haines Company

2993 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	LEONCasimero	Haines Company

2994 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	OKUMARMaeve	Haines Company

2997 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	EVANSPhillip L	Haines Company
1991	Nardi Veronica	Pacific Bell
1980	Roll Thos	Pacific Telephone
1975	Peck R Vernon	Luskey Brothers & Co., Inc.
	Peck R Vernon Chr Sci Pr	Luskey Brothers & Co., Inc.
	R Vernon Peck Chr Scl Pr	Luskey Brothers & Co., Inc.

FINDINGS

2998 CROFTDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	MILLER Robert BONIEGary T CANDACEMane	Haines Company Haines Company Haines Company
1995	White Craig A & Jolee M	Pacific Bell
1991	White Craig A & Jolee M	Pacific Bell
1986	Miller Jolee	Pacific Bell
1980	Mier Donald F	Pacific Telephone
1975	Humphrey M	Luskey Brothers & Co., Inc.
1970	Humphrey Myrtle Mrs	General Telephone Co., of California

HELENA

822 HELENA

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Jeanette Mc Glynn Mobley Medical Transcribing . 91	Pacific Bell

HELENA CIR

901 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	JUSTCERAMICART BIZ	Cole Information Services

903 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	REGANJohn	Haines Company

904 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	RYAN Karen	Haines Company
1986	Enrco Peter & Cindy	Pacific Bell

905 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	GROTYVJhn	Haines Company
1986	Groty John	Pacific Bell

908 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	TORRESFaorrnci	Haines Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	DIAZDons	Haines Company
1986	Little Loves Childrens Clothing	Pacific Bell

909 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	HOANG Kever	Haines Company
	PHANNhieu	Haines Company
1995	Nguyen Dau Dinh	Pacific Bell

913 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	BECKMAN Steve	Haines Company
1986	Cariin Mike	Pacific Bell
1980	Biddle Greor S	Pacific Telephone

914 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	MCGRAWJoi An	Haines Company
1991	Sawyer Peter M	Pacific Bell
1980	Powell Lanry G	Pacific Telephone

917 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	ANDERSOND	Haines Company
1995	Anderson D	Pacific Bell
1991	Anderson D	Pacific Bell
1986	Anderson D	Pacific Bell
1980	I Anderson D	Pacific Telephone

918 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	BECKSnmon	Haines Company

921 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	NAVAEdel	Haines Company
1980	Musser Michael T & Lisa	Pacific Telephone

922 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Khalll Amal	Pacific Bell

FINDINGS

925 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	STAMM Harod	Haines Company
	BAKERSharon	Haines Company

926 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	CANDID PHOTOS ONLINE	Cole Information Services
2002	HUNTER Rila	Haines Company
1980	I Diefendah Henr	Pacific Telephone

929 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	IDEAL DESIGNS BY LAMAR	Cole Information Services
1995	Hatch Mark & Patti	Pacific Bell
1991	Hatch Mark & Patti	Pacific Bell
1986	Chandlee Howard R	Pacific Bell
1980	Williams Scott Mrs	Pacific Telephone

930 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	GUTIERREZ 0 Fred	Haines Company
1980	Gutierrez Michael E	Pacific Telephone

933 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	TRADEWELL SOFTWARE INC	Cole Information Services
2002	NAAMANJohn	Haines Company

934 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SHUMAKEDon	Haines Company
1991	Godfather Property Management	Pacific Bell
	Godfather Real Estate	Pacific Bell

937 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	TAIShu	Haines Company

938 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	BRACKEN William	Haines Company

FINDINGS

961 HELENA CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	VASXUEZAllred	Haines Company

HELENE CIR

926 HELENE CIR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Diefendahi Henry	Pacific Bell

HYDE CT

900 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	HEYWARDPele	Haines Company
1986	Jailo Jas L	Pacific Bell

901 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	00 RAN William	Haines Company
1995	Venn EW&Judy	Pacific Bell
1991	Venn E W & Judy	Pacific Bell

902 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	OSTRAYER Susan	Haines Company
	HACKETTJA	Haines Company

903 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	AVERY Stephen	Haines Company

904 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	LEKhol	Haines Company
	BAINDerek	Haines Company
	DOHERTY Sally	Haines Company
1986	Fullarton L	Pacific Bell
	Fullarton L	Pacific Bell
1980	Fuillarton L	Pacific Telephone

FINDINGS

905 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	AFTERCARE 714 54 M 008	Haines Company
	MCCARTHY Francis B	Haines Company
1986	Garcia Armando	Pacific Bell

906 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Pappas John & Evelyn	Pacific Bell
1991	Pappas John & Evelyn	Pacific Bell
1986	Pappas John G & Evelyn A	Pacific Bell

907 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	NEUMANN David A	Haines Company
1991	Powers Gleah	Pacific Bell

908 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	WOOD Gillian	Haines Company

909 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	FILIGER Dennis P	Haines Company
1986	Nahill J	Pacific Bell

910 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	HENRYDoyle	Haines Company

911 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	ORTIZSylvete	Haines Company

912 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	LANGFORDHa Oreigh	Haines Company

913 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	WAYDTna	Haines Company
1986	Buzerak Robt	Pacific Bell

FINDINGS

914 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	WOOLLEYWilliam	Haines Company

915 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Blanpea Orval	Pacific Bell

916 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	BONITZGeorga	Haines Company
1986	Case Dan I A	Pacific Bell

917 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	KESSLERJentold	Haines Company
1986	Fagan John E	Pacific Bell

918 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	ONAFOLETANOJean	Haines Company

919 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	CHEMICAL & PLASTICS GROUP	Cole Information Services

920 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SHIVELYC	Haines Company
1986	Shulman S & C	Pacific Bell

921 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	BARNESON oan	Haines Company

922 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	ESTHER CUNNINGHAM TRAVEL	Cole Information Services
	SAND DOLLAR BUSINESS FORMS	Cole Information Services
2003	SAND DOLLAR BUSINESS FORMS	Cole Information Services
2002	CUNNINGHAMRoy	Haines Company
1995	Cunningham Roy A	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Cunningham S	Pacific Bell
	Cunningham Roy A	Pacific Bell
	Cunningham S	Pacific Bell
	Cunningham S	Pacific Bell
1986	Cunningham Roy A	Pacific Bell

923 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	SISTAHS OF PRAISE	Cole Information Services
2003	SISTAHS OF PRAISE	Cole Information Services
2002	WASHINGTON Percy	Haines Company

924 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ENZTEC INC	Cole Information Services
2002	BORUJohn	Haines Company

925 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	MAHelen	Haines Company

926 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	00 BRIEN Mechael	Haines Company
1986	Feder Frank	Pacific Bell

927 HYDE CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	LONEAGLE MARKETING	Cole Information Services
2002	CHENSun H	Haines Company
	STi EFMicheaa	Haines Company
1980	Sommherset Citi Homes Costa MesaConstruction Ofc	Pacific Telephone

LOMBARD

901 LOMBARD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	ITT Jabsco Products	Pacific Bell
	ITT Jabsco Products	Pacific Bell

FINDINGS

LOMBARD CT

900 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	0 LOVELLSteven	Haines Company
1986	Bushyakanist S	Pacific Bell

901 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	EEER 9Dougas	Haines Company
1995	ITT Jabsco Products	Pacific Bell
	laconis Nicolas	Pacific Bell
1986	Johnson Lee	Pacific Bell

902 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	EBUHARDTMario	Haines Company
1986	Quinn Neeta J	Pacific Bell
	Quinn Cameron J Atty	Pacific Bell

903 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	LONG Dennis	Haines Company
	SLONG Dennis	Haines Company
1995	Long Dennis	Pacific Bell
1991	Davis Kathleen L	Pacific Bell
1986	Davis Kathleen L	Pacific Bell

904 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	LUTZ Christhan	Haines Company

905 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	BALASURIYALonel S	Haines Company
1995	Balasurelya Lionel S	Pacific Bell

906 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	ALVAREZAlen	Haines Company
1986	Jones Douglas B	Pacific Bell

FINDINGS

907 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	OMIDVARIKaran	Haines Company
1991	Jordan D	Pacific Bell
1986	Strain Wm	Pacific Bell
1980	Strain Win	Pacific Telephone

908 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	DAMAR DEMO	Cole Information Services
2003	GUY R DAILEY	Cole Information Services
2002	MEJIADolora	Haines Company
	DAILEYGuy R	Haines Company

909 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	GALATISThien 6ro	Haines Company
1986	Hudson Denise & Kirk	Pacific Bell

910 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	Z Z JANITOR SERVICES	Cole Information Services
2002	ZELLI Soudabeh	Haines Company
1986	Burgess Wm & Elizabeth	Pacific Bell

912 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	DARNAUDGUERC	Haines Company
1995	Johnson Greg	Pacific Bell

913 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	PK SOLUTIONS	Cole Information Services
2002	SMITH Kathleen	Haines Company
1980	Robertson Jas A	Pacific Telephone

914 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	FLBSCHERK	Haines Company
1995	Fleischer K	Pacific Bell
1991	Fleischer K	Pacific Bell

FINDINGS

915 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SPEIGHTS Lee	Haines Company

916 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	EATHERSTONE K	Haines Company

917 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	KURSONISK In	Haines Company
	ADKJNS Dr Mender	Haines Company

918 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	GOOD LIFE MEDICAL SYSTEMS INC	Cole Information Services
2002	COHEN O R 9chard	Haines Company
1995	Cohen Richard	Pacific Bell

919 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	OHIRSCH Scao T	Haines Company
	SHERMAN Mary	Haines Company
1980	Hoffman J	Pacific Telephone

920 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BUDGET BLINDS OF SANTA ANA	Cole Information Services
2002	WILSON Shelby	Haines Company
1991	Upton Michae OB	Pacific Bell
1980	Upton nichael B	Pacific Telephone

921 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Jannelles Lido Village @Newport Beach@	Pacific Telephone
	Janneck Henry	Pacific Telephone
	Jannell K	Pacific Telephone

922 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	BORG John	Haines Company
1995	Borg John	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Borg John	Pacific Bell

923 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	WUShu	Haines Company
1991	Himmer A	Pacific Bell
1986	Hummer A	Pacific Bell

924 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SCHMIDTElnor	Haines Company
1986	Schmidt Elinor V	Pacific Bell
1980	Schmidt Elinor V	Pacific Telephone

925 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	0 SCOTT Patricia	Haines Company

926 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	FRAN 2 Pia	Haines Company

983 LOMBARD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	XXXX	Haines Company

MILBRO ST

2869 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	JOHNSTONFOscar	Haines Company

2898 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	FOST Pa Bt	Haines Company

2958 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	VALLES Brian	Haines Company
1980	Lowry David E	Pacific Telephone
1975	Lowry David E	Luskey Brothers & Co., Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Benson Michael	General Telephone Co., of California
1966	Tinnes Duane	Pacific Telephone

2959 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	NGOHlen	Haines Company
1995	Oliver Jack A	Pacific Bell
1991	Oliver Jack A	Pacific Bell
1986	Oliver Jack A	Pacific Bell
1980	Oliver Jack A	Pacific Telephone
1975	Oliver Jack A	Luskey Brothers & Co., Inc.
1970	Oliver Jack A	General Telephone Co., of California
1966	Oliver Jack A	Pacific Telephone

2964 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Le John	Pacific Bell
1986	La Quag	Pacific Bell
1980	Doan Nu	Pacific Telephone

2965 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SBLACKMAN Mchael	Haines Company
1995	Schell Construction	Pacific Bell
1991	Caffey Ron L	Pacific Bell
1970	Haley Losis E	General Telephone Co., of California
1966	Asendorf Allen	Pacific Telephone

2968 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	ROBBoarcy	Haines Company
1991	Robb Elie S	Pacific Bell
	Robb Edw J	Pacific Bell
	Robb Donna & Jennifer	Pacific Bell
1986	Robb D T	Pacific Bell
1980	Robb UT	Pacific Telephone
1975	Robb D T	Luskey Brothers & Co., Inc.
1970	Mc Neely Mabel E	General Telephone Co., of California
1966	Howard Development Corp	Pacific Telephone

FINDINGS

2969 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Johnston Oscar	Pacific Bell
1991	Johnston Oscar	Pacific Bell
1980	Johnston Oscar	Pacific Telephone
1966	Crawford A Mrs	Pacific Telephone

2974 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SDENMANRichard	Haines Company
1995	Denman Richard	Pacific Bell
1991	Denman Richard	Pacific Bell
1970	Head Wm J	General Telephone Co., of California
1966	Ladd Robt J	Pacific Telephone

2975 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SGAFZARosa	Haines Company
1995	Hirano Sakae	Pacific Bell
1991	Hirano Sakae	Pacific Bell
1980	Hirano Sakae	Pacific Telephone

2978 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SCAOAIOo	Haines Company
1991	Hernandez Juan J	Pacific Bell
1986	De Lapp David	Pacific Bell
1966	Baros John M	Pacific Telephone

2979 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	WTO GROUP INC	Cole Information Services
2002	DOANNu	Haines Company
	SNSUYBNHoa	Haines Company
1995	Doan Nu	Pacific Bell
1986	Doan Nu	Pacific Bell
1980	Perrault Robt H	Pacific Telephone
1975	Perrault Robt H	Luskey Brothers & Co., Inc.
1970	Perrault Robt H	General Telephone Co., of California
	Perrault Maxine	General Telephone Co., of California
1966	Perrault Robt H	Pacific Telephone

FINDINGS

2984 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	LEJohn	Haines Company
	0 DUON Hany	Haines Company
1991	Duong Harry	Pacific Bell
1975	Lozano Ruben	Luskey Brothers & Co., Inc.
1966	Mc Carty Michael J	Pacific Telephone

2985 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SANCHEZManuel	Haines Company
1991	Towner Steven	Pacific Bell
1980	Towner Clem A	Pacific Telephone
1975	Towner Clem A	Luskey Brothers & Co., Inc.
1970	Towner Clem A	General Telephone Co., of California
1966	Towner Clem A	Pacific Telephone

2988 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	89 A 1 Kahllee	Haines Company
1970	Koch Victor C	General Telephone Co., of California
	Kloch Leo S	General Telephone Co., of California
1966	Hunt Gwynn A Mrs	Pacific Telephone

2989 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Gerken William	Pacific Bell
1991	Gerken William	Pacific Bell
1986	Gerken William	Pacific Bell
1980	Gerken William	Pacific Telephone
1975	Gerken William	Luskey Brothers & Co., Inc.
1970	Gerken Wm	General Telephone Co., of California
1966	Gerken Wm	Pacific Telephone

2994 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	RYANJames	Haines Company
1980	Dick Yolanda & Jim	Pacific Telephone
1975	Buell Jonathan	Luskey Brothers & Co., Inc.
1970	Fairchild John	General Telephone Co., of California
	Palmer Roqer A	General Telephone Co., of California

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	Palmer Roger A	Pacific Telephone
	Fairchild John	Pacific Telephone

2995 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	OUTIERREZF	Haines Company
1980	Vincent Darrell W	Pacific Telephone
1975	Vincent Darrell W	Luskey Brothers & Co., Inc.
1966	Mac Donald Thos H	Pacific Telephone

2998 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SIERRACandeann	Haines Company
	SLOUGHERYWrm	Haines Company
1975	Palmer Edw A	Luskey Brothers & Co., Inc.
1970	Palmer Edw A	General Telephone Co., of California

2999 MILBRO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Loughery Wm	Pacific Bell
1991	Loughery Wm	Pacific Bell
1986	Loughery Wm	Pacific Bell
1980	Loughery Wm	Pacific Telephone
1975	Loughery Wm	Luskey Brothers & Co., Inc.
1970	Loeghery Jas	General Telephone Co., of California
	Laugher Wm	General Telephone Co., of California

POST RD

851 POST RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SHAYES Evelyn	Haines Company

886 POST RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	BARKER Kenneah	Haines Company

887 POST RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	JORDAN Bill	Haines Company

FINDINGS

936 POST RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Kirby Shern	Pacific Bell

951 POST RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	EVEY HAYES CRA	Cole Information Services
1995	Mc Kinstry James F	Pacific Bell
1991	Savoie Richard	Pacific Bell
1986	Savoie Richard	Pacific Bell
	Savoie Richard	Pacific Bell
	Hayes Evelyn	Pacific Bell
1980	Savoie Richard	Pacific Telephone
1975	Frink Darrel R	Luskey Brothers & Co., Inc.

952 POST RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	NEWPORT GUTTER CO	Cole Information Services
2008	MORRIS GARAGE DOOR CO	Cole Information Services
2003	MORRIS GARAGE DOOR CO	Cole Information Services
2002	MORRISThomas	Haines Company
	MORRIS GARAGE	Haines Company
1995	Morris Garage Door	Pacific Bell
1991	Morris Garage Door	Pacific Bell
	Morris Gary E	Pacific Bell
1986	Morris Garage Door	Pacific Bell
	Morris Cindy L	Pacific Bell
1970	Mc Pherson Blanche E	General Telephone Co., of California

955 POST RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	CRYSELRober	Haines Company

959 POST RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SJONAS Jack	Haines Company
1995	Jonas Jack	Pacific Bell
1991	Jonas Jack	Pacific Bell
1986	Jonas Jack	Pacific Bell
1975	Jonas Jack	Luskey Brothers & Co., Inc.
1970	Jonas Jack	General Telephone Co., of California

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	Jonas Jack	Pacific Telephone

POWELL CT

900 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	GUANZON Mara	Haines Company
1986	Hough S Gregg	Pacific Bell

901 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	MARTIN Roberi	Haines Company

902 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	MOLITZLeslie	Haines Company
1995	Moore Richard H	Pacific Bell
1991	Moore Richard H	Pacific Bell
1986	Loveder D	Pacific Bell

903 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SCHWINNBadara	Haines Company
1980	Trent F	Pacific Telephone

904 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Elesh W E Md	Pacific Bell
1980	Moran Richard G	Pacific Telephone

905 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	MULLENLore Oa	Haines Company
1986	Moore Perry C	Pacific Bell
1980	Allen John	Pacific Telephone
	Neely Mike	Pacific Telephone

906 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	HACK George	Haines Company
1991	Segawa Al	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Segawa Andrew @Cypress@	Pacific Bell
1986	Hack Geo	Pacific Bell

907 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	OPTIONS PLUS MORTGAGE	Cole Information Services
2002	UNDERWOOD Cao	Haines Company
1991	Heins Susan & Charles	Pacific Bell
1986	Bellinger John & Patricia	Pacific Bell
1980	Mizerak Rasjida	Pacific Telephone
	Rinder M	Pacific Telephone
	Bellas S	Pacific Telephone

908 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	HANDMAIDEN	Cole Information Services
2002	WIENERS Carol	Haines Company
	WIENERS Bernard	Haines Company
1995	Wieners Bernard & Carol	Pacific Bell
1991	Wieners Bernd & Carol	Pacific Bell
	Wienerschnitzel	Pacific Bell
1980	Wallace C	Pacific Telephone
	Wallace C W	Pacific Telephone

909 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	DAV 1 SGregory	Haines Company
1980	Vincent Marc R	Pacific Telephone

910 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	FONESMonty	Haines Company
1986	Hartzel Betty	Pacific Bell
1980	Hartzell Betty	Pacific Telephone

911 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	IMAGE CONCEPTS	Cole Information Services
	FIVE PLUS ONE ENTERPRISES INC	Cole Information Services
2003	PROFORMA IMAGE CONCEPTS	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	WILSONJosaph A	Haines Company
	WILSON Joseph A	Haines Company
	WILSON Joseph A	Haines Company
	WILSONJosapht	Haines Company
1995	Wilson Joseph A	Pacific Bell
1991	Wilson Joseph A	Pacific Bell

912 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	MCCARTHY F	Haines Company
1986	Royse Steven & Bonny	Pacific Bell
1980	Amelio Gilbert N	Pacific Telephone

913 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	SEIBERTCart	Haines Company

915 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	COHRTTF	Haines Company
1995	Cohrt TF	Pacific Bell
1991	Cohrt TF	Pacific Bell
1986	Cohrt TF	Pacific Bell

916 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Parker L	Pacific Bell
1980	Clement C	Pacific Telephone
	Parker L	Pacific Telephone

917 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	DINGEMANMark	Haines Company
1980	Hunt Jo @Anaheim@ L	Pacific Telephone

918 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	LYONSLisa	Haines Company
1986	Brokaw C	Pacific Bell
1980	Morrison Greg	Pacific Telephone

FINDINGS

919 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	SOUTHERN CALIFORNIA OPTICS INC	Cole Information Services
2002	ROGERSChristopher	Haines Company
1995	Doe Stephen E	Pacific Bell
	Fryer Cameron B	Pacific Bell
1991	Fryer Cameron B	Pacific Bell
	Doe Stephen E	Pacific Bell
	Doe Steve @Huntington Beach@	Pacific Bell
1986	Doe Stephen E	Pacific Bell
	Fryer Cameron B	Pacific Bell

920 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Stanch Robt	Pacific Bell

921 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	FEDDERLYStanley	Haines Company
1986	Mc Kenna Sean & Deborah	Pacific Bell
1980	McIntosh Frank T & Joan	Pacific Telephone

922 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	CENGIA Robert	Haines Company
1995	Professional Quality Services	Pacific Bell
1980	Clarridge John M	Pacific Telephone
	Clarr Peter J	Pacific Telephone

923 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	RETOSKEJohn J	Haines Company
1995	Retoske John J	Pacific Bell
1986	Retoske John J	Pacific Bell
1980	Murdock Steve G	Pacific Telephone

924 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	COXClaudia	Haines Company
1986	Hopson Thos	Pacific Bell
1980	Hopson Thos	Pacific Telephone

FINDINGS

925 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	POLLAROJe 9 le 5 L	Haines Company
1986	Roth Leonard J	Pacific Bell
1980	Abbott W	Pacific Telephone

926 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	WELLSTroy	Haines Company
1986	Nakamura C	Pacific Bell

994 POWELL CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	14 LNGER Phlks	Haines Company

VAN NESS CT

911 VAN NESS CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Williams Leslie L	Pacific Bell
1980	Weples David S	Pacific Telephone
1960	Williams LL K! 3 a	Luskey Brothers & Co.,
1956	Williams L L	Luskey Brothers

912 VAN NESS CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	Murdock JH	Luskey Brothers & Co.,
1956	Crouch M R Mrs	Luskey Brothers

913 VAN NESS CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Spanish Unlocked	Pacific Bell
	Spanish Yellow Pages Pacific Bell	Pacific Bell

914 VAN NESS CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	Holder IL Mrs KI 3 a	Luskey Brothers & Co.,
1956	Taylor O R	Luskey Brothers

915 VAN NESS CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Jenings Philip Uinda	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	Kelley HL K! 2 a	Luskey Brothers & Co.,
1956	Keil H L	Luskey Brothers

W BAKER ST

929 W BAKER ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	Costa Mesa Finishing Co	Pacific Telephone
	Parametrics	Pacific Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

929 Baker Street

Address Not Identified in Research Source

2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched

2869 MILBRO ST

Address Not Identified in Research Source

2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2898 MILBRO ST

2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2950 CROFTDON ST

2013, 2008, 2003, 2002, 2001, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2953 CROFTDON ST

2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2957 CROFTDON ST

2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2957 CROFTDON ST

2008, 2003, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2958 CROFTDON ST

2013, 2008, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2958 CROFTDON ST

2013, 2008, 2003, 2001, 1997, 1995, 1992, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2958 MILBRO ST

2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1971, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2959 MILBRO ST

2013, 2008, 2003, 2001, 1997, 1992, 1971, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2963 CROFTDON ST

2013, 2008, 2003, 2002, 2001, 1997, 1995, 1992, 1991, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

2963 CROFTDON ST

2013, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched

Address Not Identified in Research Source

2964 CROFTDON ST	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2964 MILBRO ST	2013, 2008, 2003, 2002, 2001, 1997, 1995, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2965 MILBRO ST	2013, 2008, 2003, 2001, 1997, 1992, 1986, 1980, 1975, 1971, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2967 CROFTDON ST	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2968 CROFTDON ST	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1986, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2968 MILBRO ST	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1971, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2969 MILBRO ST	2013, 2008, 2003, 2002, 2001, 1997, 1992, 1986, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2973 CROFTDON ST	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2974 CROFTDON ST	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2974 MILBRO ST	2013, 2008, 2003, 2001, 1997, 1992, 1986, 1980, 1975, 1971, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2975 MILBRO ST	2013, 2008, 2003, 2001, 1997, 1992, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2977 CROFTDON ST	2013, 2008, 2003, 2001, 1997, 1992, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2978 CROFTDON ST	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2978 MILBRO ST	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1980, 1975, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2979 MILBRO ST	2013, 2008, 2003, 2001, 1997, 1992, 1991, 1971, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2979 MILBRO ST	2013, 2003, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2981 BEAR ST	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2983 CROFTDON ST	2013, 2008, 2003, 2002, 2001, 1997, 1992, 1986, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched

Address Not Identified in Research Source

951 POST RD	2013, 2008, 2003, 2002, 2001, 1997, 1992, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
951 POST RD	2013, 2003, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
952 POST RD	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
952 POST RD	2013, 2008, 2003, 2001, 1997, 1992, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
955 POST RD	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
959 POST RD	2013, 2008, 2003, 2001, 1997, 1992, 1980, 1971, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
961 HELENA CIR	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
983 LOMBARD CT	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
994 POWELL CT	2013, 2008, 2003, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920



APPENDIX H
RECORDED LAND TITLE DOCUMENTS

NO DOCUMENTS PROVIDED



APPENDIX I

AGENCY DOCUMENTS

NO DOCUMENTS WERE FOUND



APPENDIX J

PREVIOUS REPORTS/ MISCELLANEOUS DOCUMENTS



STATE OF CALIFORNIA

STATE BOARD OF EQUALIZATION
SPECIAL TAXES AND FEES DEPARTMENT
450 N STREET, SACRAMENTO, CALIFORNIA
PO BOX 942879, SACRAMENTO, CALIFORNIA 94279-0088
1-800-400-7115 (TTY:711)
www.boe.ca.gov

SEN. GEORGE RUNNER (Ret.)
First District, Lancaster

FIONA MA, CPA
Second District, San Francisco

JEROME E. HORTON
Third District, Los Angeles County

DIANE L. HARKEY
Fourth District, Orange County

BETTY I. YEE
State Controller

CYNTHIA BRIDGES
Executive Director

July 11, 2015

BAKER ST SELF STORAGE
929 BAKER ST
COSTA MESA CA 92626

EPA No.: CAC002818617

INFORMATIONAL NOTICE

The Department of Toxic Substances Control (DTSC) has advised the State Board of Equalization (BOE) that you are a recent recipient of an EPA identification number. The BOE administers six hazardous waste fee programs in cooperation with the DTSC. As a holder of a state or federal EPA ID number you *may* also be required to register with the BOE to report your generator activities.

If you do not generate or produce five (5) or more tons of hazardous waste per calendar year, you should disregard this notice. It is not necessary for you to register as a generator with the BOE. For questions specific to the EPA number or site referenced above, contact DTSC at 1-800-618-6942.

If the amount of hazardous waste generated or produced is equal to five (5) or more tons during a calendar year, regardless of whether the waste is recycled, treated, or disposed of, you should contact the BOE to obtain a hazardous waste generator fee account number. Using a waste hauler or a hazardous waste contractor to remove your hazardous waste does not relieve you of the liability for the fees that result from the generation, recycling and/or disposal of your hazardous waste.

Additional information regarding the generator fee is available on our website in Regulation 3000, *Generator of Hazardous Waste*.

If you qualify as a generator based on the above criteria you may register for an account using BOE's online registration, available on our website at www.boe.ca.gov, or call us at the number listed below.

For more information, visit the BOE website at www.boe.ca.gov. You may also call the Customer Service Center at 1-800-400-7115 (TTY:711); from the main menu, select the option Special Taxes and Fees. Customer service representatives are available weekdays from 8:00 a.m. to 5:00 p.m. (Pacific time), except state holidays.

STATE BOARD OF EQUALIZATION
Special Taxes and Fees

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number 014581341	2. Page 1 of 1	3. Emergency Response Phone 500-424-9301	4. Manifest Tracking Number 014581341 JJK		
5. Generator's Name and Mailing Address Hearst St Self Storage 429 Baker St Corona Mesa CA 92618				Generator's Site Address (if different than mailing address)			
Generator's Phone: 714 237-2460				U.S. EPA ID Number			
6. Transporter 1 Company Name Environmental Logistics, Inc				U.S. EPA ID Number			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address Filter Recycling Services Inc 180 W. Monte Avenue Bloomington CA 92316				U.S. EPA ID Number			
Facility's Phone: 909 471-2011				U.S. EPA ID Number			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
	1. Non-RCRA hazardous waste	+	*	100	P		
	NON-RCRA hazardous waste solid liquid	1	BA	40	P	228	352
	FILTER RECYCLING SERVICES' RIALTY FACILITY, EPA #CAD93244431 HAS THE APPROPRIATE PERMIT(S) FOR THIS WASTE AS SHIPPED	3		130	S	228	
	AND WILL BE RECYCLED	1	CM	500	F	352	
14. Special Handling Instructions and Additional Information Contaminated w/ Oil - 15081714 Invoice #40804 One or more of the material listed on this manifest may be recycled as alternative daily cover (ADC), or other method which uses the material in or on the land							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offorer's Printed/Typed Name BRAD RAYMOND				Signature <i>BR Raymond</i>		Month Day Year 16 19 15	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <i>Silvia Hernandez</i>				Signature <i>Silvia Hernandez</i>		Month Day Year 16 19 15	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input checked="" type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
203 1x55 drum contains recyclable oil, waste code 221, profile # 15061717							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H141		2. H141		3. H141		4. H141	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Sarah Amick				Signature <i>Sarah Amick</i>		Month Day Year 16 13 15	

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number CAC002818617	22. Page 2 of 2	23. Manifest Tracking Number 014581341JJK				
24. Generator's Name Baker St Self Storage								
25. Transporter _____ Company Name				U.S. EPA ID Number				
26. Transporter _____ Company Name				U.S. EPA ID Number				
27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity	30. Unit: Wt./Vol.	31. Waste Codes		
		No.	Type					
5	Non-PCRA Hazardous Waste Solid (Fluor. Chemicals) Solid	1	DM	200	P	331		
3	UN1788, Corrosive liquid, n.o.s. (Sodium Hydroxide) 8, PGII	1	DF	20	P	612		
3	UN1988, Combustible liquid, n.o.s. (Petroleum Distillate) PGII	1	DF	5	G	512		
3	Non-PCRA Hazardous Waste Solid (Liquor) PGIII	1	DM	150	P	352		
2	Non-PCRA Hazardous Waste Solid (empty Drums)	2	DM	100	P	512		
32. Special Handling Instructions and Additional Information: 6) SI Sodium Hydroxide Solid - 1502 (PG ER3#15/ 7)(L) Petroleum Distillate - 1506 (143 ER3#128 8) SI Dried Liquor of Detergents - 1508 (1710 9) SI Empty Drums - 1506 (1712) 1 XSSDm 3 XSSDm 1 XSSDm								
33. Transporter _____ Acknowledgment of Receipt of Materials						Month	Day	Year
Printed/Typed Name						Signature		
34. Transporter _____ Acknowledgment of Receipt of Materials						Month	Day	Year
Printed/Typed Name						Signature		
35. Discrepancy 31-7) waste code should read 612								
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
H141		H141		H141		H141		
						H1039		

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

STRAIGHT BILL OF LADING—ORIGINAL—NOT NEGOTIABLE

SHIPPER NO. BOL-45804

CARRIER NO. _____

Environmental Logistics - Bloomington CAR000172460

DATE 6/19/15

CARRIER TO CAD982444481		SCAC	
CONSIGNEE Filter Recycling Services, Inc.		FROM SHIPPER CAC002818817 Baker St Self Storage	
STREET 180 W. Monte Avenue PHONE 800-421-2012		STREET 929 Baker St PHONE 714-227-7463	
DESTINATION Bloomington	STATE CA ZIP 92316	ORIGIN Costa Mesa	STATE CA ZIP 92621
ROUTE		VEHICLE NUMBER 1017	U.S. DOT Hazmat Reg. No.

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1 KS		Universal Waste - Aerosol Cans (S) Aerosols - 15081715 FILTER RECYCLING SERVICES' RIALTO FACILITY, EPA #CAD092444481 HAS THE APPROPRIATE PERMIT(S) FOR AND WILL ACCEPT THIS WASTE AS SHIPPED		2 LB.	
<p><i>Randy Duval-Amick 6/23/15</i></p>					

Remit COD to: Address: City: State: Zip:	Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)	COD AMT: \$	COD FEE: Prepaid <input type="checkbox"/> Collect <input type="checkbox"/> \$
OTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per	TOTAL CHARGES: \$	FREIGHT CHARGES: <input type="checkbox"/> Prepaid <input type="checkbox"/> Collect	

OTC: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14708(c)(1)(A) and (B).
his is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER:

SHIPPER: <u>Baker St Self Storage</u>	CARRIER: <u>Environmental Logistics</u>
PER: <u>BT Rayner</u>	PER: <u>Schmidt</u>
DATE: <u>6/19/15</u>	NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER:
EMERGENCY RESPONSE TELEPHONE NUMBER: <u>800 424-9300</u>	

The Profile Approval # and/or a copy of this profile must accompany each shipment

When completed, please Fax or Email to : (909) 873-4142 / profiling@filterrecycling.com		Profile Acceptance #	
Filter Recycling Services, Inc.		Date:	
P.O. Box 449 - Colton, California 92324		Authorized By:	
A. Generator Information <input type="checkbox"/> Household <input type="checkbox"/> CESOG <u>Check if applicable</u>		B. FRS Sales Representative: Name: Anthony Figueroa Phone: 909-873-4141	
Generator Name: Baker St Self Storage		Name: Anthony Figueroa	
Site Address: 929 Baker St		Phone: 909-873-4141	
City, State, Zip: Costa Mesa, CA 92626		C. Broker Information: Name: N/A Address: Contact: Phone: Fax:	
U.S. E.P.A. ID #: CAC002818617		Name: N/A	
Technical Contact: Tammy Sorensen		Address:	
Phone Number: 714-227-7563		Contact:	
Name of Waste: <i>Discard LAYER w/ DEBRIS</i>		Phone:	
Process Generating the Waste: <i>Fltstr Line</i>		Fax:	

ATTACH ANY MSDS and ANALYTICAL THAT HAS BEEN PERFORMED

D. Characteristics									
<i>302</i>	Color	Odor	Physical State @ 70*	Layers	E. Metals <input checked="" type="checkbox"/> None <input type="checkbox"/> TTLC mg/kg <input type="checkbox"/> STLC mg/l <input type="checkbox"/> TCLP mg/l				
	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Mild	<input type="checkbox"/> Liquid	<input type="checkbox"/> Multi-layered	Arsenic		Selenium		Nickel
BTU/LB	<input type="checkbox"/> Strong	<input type="checkbox"/> Semi-Solid	<input checked="" type="checkbox"/> Solid	<input type="checkbox"/> Bi-layered	Barium		Silver		Thallium
		<input checked="" type="checkbox"/> Solid		<input checked="" type="checkbox"/> Single Layered	Benzene		Asbestos		Vanadium
Flash Point	<input type="checkbox"/> 140 - 200° F	Density	Free Liquids		Cadmium		Beryllium		Zinc
<input type="checkbox"/> < 70° F	<input type="checkbox"/> > 200° F	Lbs/Gal	<input checked="" type="checkbox"/> No		Chromium		Cobalt		Cyanides
<input type="checkbox"/> 70-100° F	<input type="checkbox"/> No Flash	Lbs/Ft	<input type="checkbox"/> Yes		Lead		Copper		Pesticides
<input type="checkbox"/> 101-139° F	Exact	API Gravty			Mercury		Molybdenum		
pH Range	F. Physical/Chemical Composition				G. Shipping Information				
<input type="checkbox"/> ≤ 2	<i>LAYER</i>				Proper Shipping Name: <i>NON-RCRA HAZARDOUS WASTE SOLID</i>				
<input type="checkbox"/> 2.1- 4	<i>WOOD</i>				Hazard Class: UN/NA #: PG:				
<input checked="" type="checkbox"/> 4.1- 10					State Code: <i>352</i> EPA Code:				
<input type="checkbox"/> 10.1- 12.4					RCRA Hazardous <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No CERCLA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
<input type="checkbox"/> ≥ 12.5					<input type="checkbox"/> This waste is exempt from RCRA regulations, UST Remediation, per 40 CFR 261.4(b)(10)				
<input type="checkbox"/> Exact					<input type="checkbox"/> This waste is excluded from RCRA regulations, Commercial Chemical Product, per 40 CFR 261.2(c)(2)(ii)				
	TOTAL (should = 100%)				Volume:				
<input type="checkbox"/> Bulk Liquids	<input type="checkbox"/> Bulk Solids	<input type="checkbox"/> Drum(s)			Drums	Boxes/ Sacks	<input type="checkbox"/> One-Time		
Method of Shipment					Gallons	Yards	<input type="checkbox"/> Monthly		
H. Special Handling Information:							<input checked="" type="checkbox"/> Annually		
					Lab Pack <input type="checkbox"/>	Commodity Pack <input type="checkbox"/>	Consolidated <input checked="" type="checkbox"/>		

Generator or signatory below, of this waste, certifies that the information above is true and accurate and that the determination of this waste stream was derived by state certified analysis and/or generator knowledge. If the physical or chemical composition of the waste changes, the generator will notify Filter Recycling Services Inc. prior to shipment. The generator and signatory below are solely responsible for all cost(s) associated with the proper disposal of any material delivered to Filter Recycling Services, Inc.

Signature: <i>Vernon Sorensen</i>	Printed Name: <i>Vernon Sorensen</i>	Title: <i>Owner</i>	Date: <i>6-17-15</i>
-----------------------------------	--------------------------------------	---------------------	----------------------

When completed, please Fax or Email to :
 (909) 873-4142 / profiling@filterrecycling.com

Profile Acceptance #

Filter Recycling Services, Inc.
 P.O. Box 449 - Colton, California 92324

Date:

Authorized By:

A. Generator Information		<input type="checkbox"/> Household	<input type="checkbox"/> CESQG	<u>Check if applicable</u>	B. FRS Sales Representative:	
Generator Name: Baker St Self Storage					Name: Anthony Figueroa	
Site Address: 929 Baker St					Phone: 909-873-4141	
City, State, Zip: Costa Mesa, CA 92626					C. Broker Information:	
U.S. E.P.A. ID #: CAC002818617					Name: N/A	
Technical Contact: Tammy Sorensen					Address:	
Phone Number: 714-227-7503-7463					Contact:	
Name of Waste: <u>ROOF TARS</u>					Phone:	
Process Generating the Waste: <u>HHW waste</u>					Fax:	

ATTACH ANY MSDS and ANALYTICAL THAT HAS BEEN PERFORMED

D. Characteristics									
<u>Color</u> Black	<u>Odor</u> <input checked="" type="checkbox"/> None	<u>Physical State @ 70°*</u> <input checked="" type="checkbox"/> Liquid	<u>Layers</u> <input type="checkbox"/> Multi-layered	<u>E. Metals</u> <input checked="" type="checkbox"/> None <input type="checkbox"/> TTLC mg/kg <input type="checkbox"/> STLC mg/l <input type="checkbox"/> TCLP mg/l					
<u>BTU/LB</u>	<input type="checkbox"/> Mild	<input type="checkbox"/> Semi-Solid	<input type="checkbox"/> Bi-layered	Arsenic	Selenium	Nickel			
	<input type="checkbox"/> Strong	<input type="checkbox"/> Solid	<input checked="" type="checkbox"/> Single Layered	Barium	Silver	Thallium			
<u>Flash Point</u>	<input checked="" type="checkbox"/> 140 - 200° F	<u>Density</u>	<u>Free Liquids</u>	Benzene	Asbestos	Vanadium			
<input type="checkbox"/> < 70° F	<input type="checkbox"/> > 200° F	Lbs/Gal	<input type="checkbox"/> No	Cadmium	Beryllium	Zinc			
<input type="checkbox"/> 70-100° F	<input type="checkbox"/> No Flash	Lbs/Ft	<input checked="" type="checkbox"/> Yes	Chromium	Cobalt	Cyanides			
<input type="checkbox"/> 101-139° F	Exact	API Gravity	%	Lead	Copper	Pesticides			
				Mercury	Molybdenum				
<u>pH Range</u>	F. Physical/Chemical Composition			G. Shipping Information					
<input type="checkbox"/> ≤ 2	Roof tars			Proper Shipping Name: <u>Flammable Combustible liquid, n.c.s., (Petroleum Distillates)</u>					
<input type="checkbox"/> 2.1- 4				Hazard Class <u>comb</u> UN/NA #: <u>1993</u> PG:					
<input checked="" type="checkbox"/> 4.1- 10				State Code: <u>612</u> EPA Code:					
<input type="checkbox"/> 10.1- 12.4				RCRA Hazardous <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No CERCLA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
<input type="checkbox"/> ≥ 12.5				<input type="checkbox"/> This waste is exempt from RCRA regulations, UST Remediation, per 40 CFR 261.4(b)(10)					
<input type="checkbox"/> Exact				<input type="checkbox"/> This waste is excluded from RCRA regulations, Commercial Chemical Product, per 40 CFR 261.2(c)(2)(ii)					
	TOTAL (should = 100%)			Volume: <input type="checkbox"/> One-Time					
<input type="checkbox"/> Bulk Liquids	<input type="checkbox"/> Bulk Solids	<input type="checkbox"/> Drum(s)		Drums	Boxes/ Sacks	<input type="checkbox"/> Monthly			
<u>Method of Shipment</u>				Gallons	Yards	<input checked="" type="checkbox"/> Annually			
H. Special Handling Information:				Lab Pack <input type="checkbox"/>	Commodity Pack <input checked="" type="checkbox"/>	Consolidated <input type="checkbox"/>			
Generator or signatory below, of this waste, certifies that the information above is true and accurate and that the determination of this waste stream was derived by state certified analysis and/or generator knowledge. If the physical or chemical composition of the waste changes, the generator will notify Filter Recycling Services Inc. prior to shipment. The generator and signatory below are solely responsible for all cost(s) associated with the proper disposal of any material delivered to Filter Recycling Services, Inc.									
Signature: <u>Tammy Sorensen</u>			Printed Name: <u>Tammy Sorensen</u>			Title: <u>Owner</u>		Date: <u>6-17-15</u>	

When completed, please Fax or Email to :
 (909) 873-4142 / profiling@filterrecycling.com

Profile Acceptance #

Filter Recycling Services, Inc.
P.O. Box 449 - Colton, California 92324

Date:

Authorized By:

A. Generator Information		<input type="checkbox"/> Household	<input type="checkbox"/> CESQG	<i>Check if applicable</i>	B. FRS Sales Representative:	
Generator Name: Baker St Self Storage					Name: Anthony Figueroa	
Site Address: 929 Baker St					Phone: 909-873-4141	
City, State, Zip: Costa Mesa, CA 92626					C. Broker Information:	
U.S. E.P.A. ID #: CAC002818617					Name: N/A	
Technical Contact: Tammy Sorensen					Address:	
Phone Number: 714-227-7563-7443					Contact:	
Name of Waste: AEROSOLS					Phone:	
Process Generating the Waste: HAW WASTE STORED IN A STORAGE					Fax:	

ATTACH ANY MSDS and ANALYTICAL THAT HAS BEEN PERFORMED

D. Characteristics									
<u>Color</u> V.R.	<u>Odor</u> <input type="checkbox"/> None	<u>Physical State @ 70°</u> <input type="checkbox"/> Liquid	<u>Layers</u> <input type="checkbox"/> Multi-layered		E. Metals <input checked="" type="checkbox"/> None <input type="checkbox"/> TTLC mg/kg <input type="checkbox"/> STLC mg/l <input type="checkbox"/> TCLP mg/l				
<u>BTU/LB</u>	<input type="checkbox"/> Mild	<input type="checkbox"/> Semi-Solid	<input type="checkbox"/> Bi-layered		Arsenic	Selenium	Nickel		
	<input type="checkbox"/> Strong	<input checked="" type="checkbox"/> Solid	<input checked="" type="checkbox"/> Single Layered		Barium	Silver	Thallium		
<u>Flash Point</u>	<input type="checkbox"/> 140 - 200° F	<u>Density</u>		<u>Free Liquids</u>	Cadmium	Beryllium	Zinc		
<input type="checkbox"/> < 70° F	<input type="checkbox"/> > 200° F	Lbs/Gal			<input type="checkbox"/> No	Chromium	Cobalt	Cyanides	
<input type="checkbox"/> 70-100° F	<input checked="" type="checkbox"/> No Flash	Lbs/Ft			<input type="checkbox"/> Yes	Lead	Copper	Pesticides	
<input type="checkbox"/> 101-139° F	Exact	API Gravity	10		%	Mercury	Molybdenum		
<u>pH Range</u>	F. Physical/Chemical Composition				G. Shipping Information				
<input type="checkbox"/> ≤ 2	AEROSOLS				Proper Shipping Name: UNCLASIFIED WASTE (AEROSOLS)				
<input type="checkbox"/> 2.1- 4					Hazard Class: UN/NA #: PG:				
<input checked="" type="checkbox"/> 4.1- 10					State Code: EPA Code:				
<input type="checkbox"/> 10.1- 12.4					RCRA Hazardous <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No CERCLA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
<input type="checkbox"/> ≥ 12.5					<input type="checkbox"/> This waste is exempt from RCRA regulations, UST Remediation, per 40 CFR 261.4(b)(10)				
<input type="checkbox"/> Exact					<input type="checkbox"/> This waste is excluded from RCRA regulations, Commercial Chemical Product, per 40 CFR 261.2(c)(2)(ii)				
					<u>Volume:</u>			<input type="checkbox"/> One-Time	
<input type="checkbox"/> Bulk Liquids	<input type="checkbox"/> Bulk Solids	<input type="checkbox"/> Drum(s)			Drums	Boxes/ Sacks	<input type="checkbox"/> Monthly		
<u>Method of Shipment</u>					Gallons	Yards	<input checked="" type="checkbox"/> Annually		
H. Special Handling Information:					Lab Pack <input type="checkbox"/>	Commodity Pack <input type="checkbox"/>	Consolidated <input checked="" type="checkbox"/>		
Generator or signatory below, of this waste, certifies that the information above is true and accurate and that the determination of this waste stream was derived by state certified analysis and/or generator knowledge. If the physical or chemical composition of the waste changes, the generator will notify Filter Recycling Services Inc. prior to shipment. The generator and signatory below are solely responsible for all cost(s) associated with the proper disposal of any material delivered to Filter Recycling Services, Inc.									
Signature: <i>T. Sorensen</i>			Printed Name: <i>T. Sorensen</i>			Title: <i>Owner</i>		Date: <i>6-7-15</i>	

The Profile Approval # and/or a copy of this profile must accompany each shipment

4

When completed, please Fax or Email to : (909) 873-4142 / profiling@filterrecycling.com			Profile Acceptance #		
Filter Recycling Services, Inc. P.O. Box 449 - Colton, California 92324			Date:		
A. Generator Information			Authorized By:		
<input type="checkbox"/> Household <input type="checkbox"/> CESOG <input type="checkbox"/> Check if applicable			B. FRS Sales Representative:		
Generator Name: Baker St Self Storage			Name: Anthony Figueroa		
Site Address: 929 Baker St			Phone: 909-873-4141		
City, State, Zip: Costa Mesa, CA 92626			C. Broker Information:		
U.S. E.P.A. ID #: CAC002818617			Name: N/A		
Technical Contact: Tammy Sorensen			Address:		
Phone Number: 714-227-7563 17463			Contact:		
Name of Waste: Sodium hydroxide solid			Phone:		
Process Generating the Waste: HAWK waste stored in a storage.			Fax:		

ATTACH ANY MSDS and ANALYTICAL THAT HAS BEEN PERFORMED

D. Characteristics					
Color: <i>white</i>	Odor: <input checked="" type="checkbox"/> None	Physical State @ 70°: <input type="checkbox"/> Liquid	Layers: <input type="checkbox"/> Multi-layered	E. Metals: <input checked="" type="checkbox"/> None <input type="checkbox"/> TTLC mg/kg <input type="checkbox"/> STLC mg/l <input type="checkbox"/> TCLP mg/l	
BTU/LB: <input type="checkbox"/> Mild	<input type="checkbox"/> Strong	<input type="checkbox"/> Semi-Solid	<input type="checkbox"/> Bi-layered	Arsenic	Selenium
<input type="checkbox"/> Flash Point	<input type="checkbox"/> 140 - 200° F	<input checked="" type="checkbox"/> Solid	<input checked="" type="checkbox"/> Single Layered	Barium	Silver
<input type="checkbox"/> Density	<input type="checkbox"/> > 200° F	Density: Lbs/Gal	Free Liquids: <input checked="" type="checkbox"/> No	Benzene	Asbestos
<input type="checkbox"/> < 70° F	<input checked="" type="checkbox"/> No Flash	Lbs/Ft	<input type="checkbox"/> Yes	Cadmium	Beryllium
<input type="checkbox"/> 70-100° F	Exact	API Gravity: 1.0	%	Chromium	Cobalt
<input type="checkbox"/> 101-139° F				Lead	Copper
pH Range: <input type="checkbox"/> ≤ 2	F. Physical/Chemical Composition			Mercury	Molybdenum
<input type="checkbox"/> 2.1-4	Sodium hydroxide solid			G. Shipping Information	
<input checked="" type="checkbox"/> 4.1-10	100 %			Proper Shipping Name: <i>Corrosive Solids, N.O.S. (Sodium Hydroxide)</i>	
<input type="checkbox"/> 10.1-12.4	%			Hazard Class: <i>8</i> UN/NA #: <i>1760</i> PG: <i>II</i>	
<input type="checkbox"/> ≥ 12.5	%			State Code: <i>602</i> EPA Code:	
<input type="checkbox"/> Exact	%			RCRA Hazardous: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No CERCLA: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
TOTAL (should = 100%)	%			<input type="checkbox"/> This waste is exempt from RCRA regulations, UST Remediation, per 40 CFR 261.4(b)(10)	
				<input type="checkbox"/> This waste is excluded from RCRA regulations, Commercial Chemical Product, per 40 CFR 261.2(c)(2)(ii)	
				Volume:	
<input type="checkbox"/> Bulk Liquids	<input type="checkbox"/> Bulk Solids	<input type="checkbox"/> Drum(s)		Drums	Boxes/Sacks
Method of Shipment				Gallons	Yards
H. Special Handling Information:				Lab Pack <input type="checkbox"/>	Commodity Pack <input type="checkbox"/>
Generator or signatory below, of this waste, certifies that the information above is true and accurate and that the determination of this waste stream was derived by state certified analysis and/or generator knowledge. If the physical or chemical composition of the waste changes, the generator will notify Filter Recycling Services Inc. prior to shipment. The generator and signatory below are solely responsible for all cost(s) associated with the proper disposal of any material delivered to Filter Recycling Services, Inc.				Consolidated <input checked="" type="checkbox"/>	
Signature: <i>T. Sorensen</i>		Printed Name: <i>T. Sorensen</i>		Title: <i>Owner</i>	
				Date: <i>6-17-15</i>	

The Profile Approval # and/or a copy of this profile must accompany each shipment

When completed, please Fax or Email to : (909) 873-4142 / profiling@filterrecycling.com		Profile Acceptance #
Filter Recycling Services, Inc. P.O. Box 449 - Colton, California 92324		Date:
		Authorized By:
A. Generator Information	<input type="checkbox"/> Household <input type="checkbox"/> CESQG <input type="checkbox"/> Check if applicable	B. FRS Sales Representative:
Generator Name: Baker St Self Storage		Name: Anthony Figueroa
Site Address: 929 Baker St		Phone: 909-873-4141
City, State, Zip: Costa Mesa, CA 92626		C. Broker Information:
U.S. E.P.A. ID #: CAC002818617		Name: N/A
Technical Contact: Tammy Sorensen		Address:
Phone Number: 714-227-7563		Contact:
Name of Waste: <i>Photo Chemicals</i>		Phone:
Process Generating the Waste: <i>Waste was stored in a storage.</i>		Fax:

ATTACH ANY MSDS and ANALYTICAL THAT HAS BEEN PERFORMED

D. Characteristics									
<u>Color</u> <i>Var</i>	<u>Odor</u> <input checked="" type="checkbox"/> None	<u>Physical State @ 70*</u> <input checked="" type="checkbox"/> Liquid	<u>Layers</u> <input type="checkbox"/> Multi-layered	E. Metals <input checked="" type="checkbox"/> None <input type="checkbox"/> TTLC mg/kg <input type="checkbox"/> STLC mg/l <input type="checkbox"/> TCLP mg/l					
<u>BTU/LB</u>	<input type="checkbox"/> Mild	<input type="checkbox"/> Semi-Solid	<input type="checkbox"/> Bi-layered	Arsenic	Selenium	Nickel	Barium	Silver	Thallium
	<input type="checkbox"/> Strong	<input type="checkbox"/> Solid	<input checked="" type="checkbox"/> Single Layered	Benzene	Asbestos	Vanadium			
<u>Flash Point</u>	<input type="checkbox"/> 140 - 200° F	<u>Density</u>	<u>Free Liquids</u>	Cadmium	Beryllium	Zinc			
<input type="checkbox"/> < 70° F	<input type="checkbox"/> > 200° F	Lbs/Gal	<input type="checkbox"/> No	Chromium	Cobalt	Cyanides			
<input type="checkbox"/> 70-100° F	<input checked="" type="checkbox"/> No Flash	Lbs/Ft	<input type="checkbox"/> Yes	Lead	Copper	Pesticides			
<input type="checkbox"/> 101-139° F	Exact	API Gravity	%	Mercury	Molybdenum				
<u>pH Range</u>	F. Physical/Chemical Composition			G. Shipping Information					
<input type="checkbox"/> ≤ 2	<i>Acid</i>	<i>pH = 8</i>	<i>50</i> %	Proper Shipping Name: <i>NON-RCRA HAZARDOUS WASTE LIQUID</i>					
<input type="checkbox"/> 2.1- 4	<i>Developer</i>	<i>pH = 7</i>	<i>50</i> %	Hazard Class: UN/NA #: PG:					
<input checked="" type="checkbox"/> 4.1- 10			%	State Code: <i>612</i> EPA Code:					
<input type="checkbox"/> 10.1- 12.4			%	RCRA Hazardous <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No CERCLA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
<input type="checkbox"/> ≥ 12.5			%	<input type="checkbox"/> This waste is exempt from RCRA regulations, UST Remediation, per 40 CFR 261.4(b)(10)					
<input type="checkbox"/> Exact			%	<input type="checkbox"/> This waste is excluded from RCRA regulations, Commercial Chemical Product, per 40 CFR 261.2(c)(2)(ii)					
	TOTAL (should = 100%)			<u>Volume:</u>					
<input type="checkbox"/> Bulk Liquids	<input type="checkbox"/> Bulk Solids	<input type="checkbox"/> Drum(s)		Drums	Boxes/ Sacks	<input type="checkbox"/> One-Time			
<u>Method of Shipment</u>				Gallons	Yards	<input type="checkbox"/> Monthly			
H. Special Handling Information:				Lab Pack <input type="checkbox"/>	Commodity Pack <input checked="" type="checkbox"/>	<input type="checkbox"/> Consolidated			
Generator or signatory below, of this waste, certifies that the information above is true and accurate and that the determination of this waste stream was derived by state certified analysis and/or generator knowledge. If the physical or chemical composition of the waste changes, the generator will notify Filter Recycling Services Inc. prior to shipment. The generator and signatory below are solely responsible for all cost(s) associated with the proper disposal of any material delivered to Filter Recycling Services, Inc.									
Signature: <i>T. Sorensen</i>			Printed Name: <i>Vernon Sorensen</i>			Title: <i>Owner</i>		Date: <i>7-6-17-15</i>	

Filter Recycling Services, Inc.
P.O. Box 449 - Colton, California 92324

Date:
Authorized By:

A. Generator Information		<input type="checkbox"/> Household	<input type="checkbox"/> CESQG	<u>Check if applicable</u>	B. FRS Sales Representative:	
Generator Name:	Baker St Self Storage				Name: Anthony Figueroa	
Site Address:	929 Baker St				Phone: 909-873-4141	
City, State, Zip	Costa Mesa, CA 92626				C. Broker Information:	
U.S. E.P.A. ID #:	CAC002818617				Name: N/A	
Technical Contact:	Tammy Sorensen				Address:	
Phone Number:	714-227-7563-7463				Contact:	
Name of Waste:	Soil Contaminated w/ Oil				Phone:	
Process Generating the Waste:	How waste stored in a storage				Fax:	

ATTACH ANY MSDS and ANALYTICAL THAT HAS BEEN PERFORMED

D. Characteristics				E. Metals <input checked="" type="checkbox"/> None <input type="checkbox"/> TTLC mg/kg <input type="checkbox"/> STLC mg/l <input type="checkbox"/> TCLP mg/l			
<u>Color</u>	<u>Odor</u>	<u>Physical State @ 70°</u>	<u>Layers</u>	Arsenic	Selenium	Nickel	
VPL	<input type="checkbox"/> None	<input type="checkbox"/> Liquid	<input type="checkbox"/> Multi-layered	Barium	Silver	Thallium	
<u>BTU/LB</u>	<input type="checkbox"/> Mild	<input type="checkbox"/> Semi-Solid	<input type="checkbox"/> Bi-layered	Benzene	Asbestos	Vanadium	
	<input type="checkbox"/> Strong	<input checked="" type="checkbox"/> Solid	<input checked="" type="checkbox"/> Single Layered	Cadmium	Beryllium	Zinc	
<u>Flash Point</u>	<input type="checkbox"/> 140 - 200° F	<u>Density</u>	<u>Free Liquids</u>	Chromium	Cobalt	Cyanides	
<input type="checkbox"/> < 70° F	<input type="checkbox"/> > 200° F	Lbs/Gal	<input checked="" type="checkbox"/> No	Lead	Copper	Pesticides	
<input type="checkbox"/> 70-100° F	<input checked="" type="checkbox"/> No Flash	Lbs/Ft	<input type="checkbox"/> Yes	Mercury	Molybdenum		
<input type="checkbox"/> 101-139° F	Exact	API Gravity	10 %				

<u>pH Range</u>	F. Physical/Chemical Composition		G. Shipping Information			
<input type="checkbox"/> ≤ 2	Soil	90-99 %	Proper Shipping Name: <u>NOT RCRA HAZARDOUS WASTE LIQUID</u>			
<input type="checkbox"/> 2.1- 4	Oil	1-10 %	Hazard Class: — UN/NA #: — PG: —			
<input checked="" type="checkbox"/> 4.1- 10			State Code: <u>352</u> EPA Code: —			
<input type="checkbox"/> 10.1- 12.4			RCRA Hazardous <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No CERCLA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<input type="checkbox"/> ≥ 12.5			<input type="checkbox"/> This waste is exempt from RCRA regulations, UST Remediation, per 40 CFR 261.4(b)(10)			
<input type="checkbox"/> Exact			<input type="checkbox"/> This waste is excluded from RCRA regulations, Commercial Chemical Product, per 40 CFR 261.2(e)(2)(ii)			
	TOTAL (should = 100%)		<u>Volume:</u>			

<input type="checkbox"/> <u>Bulk Liquids</u>	<input type="checkbox"/> <u>Bulk Solids</u>	<input type="checkbox"/> <u>Drum(s)</u>	Drums	Boxes/ Sacks	<input type="checkbox"/> One-Time
<u>Method of Shipment</u>			Gallons	Yards	<input type="checkbox"/> Monthly
II. Special Handling Information:			Lab Pack <input type="checkbox"/>	Commodity Pack <input type="checkbox"/>	<input checked="" type="checkbox"/> Annually
					<input checked="" type="checkbox"/> Consolidated

Generator or signatory below, of this waste, certifies that the information above is true and accurate and that the determination of this waste stream was derived by state certified analysis and/or generator knowledge. If the physical or chemical composition of the waste changes, the generator will notify Filter Recycling Services Inc. prior to shipment. The generator and signatory below are solely responsible for all cost(s) associated with the proper disposal of any material delivered to Filter Recycling Services, Inc.

Signature: <u>T. Sorensen</u>	Printed Name: <u>T. Sorensen</u>	Title: <u>Owner</u>	Date: <u>6-17-15</u>
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(909) 873-4142 / profiling@filterrecycling.com

Filter Recycling Services, Inc.

P.O. Box 449 - Colton, California 92324

Date:

Authorized By:

A. Generator Information		<input type="checkbox"/> Household	<input type="checkbox"/> CESOG	<input type="checkbox"/> Check if applicable	B. FRS Sales Representative:	
Generator Name:	Baker St Self Storage	S.M.C.		Name:	Anthony Figueroa	
Site Address:	929 Baker St			Phone:	909-873-4141	
City, State, Zip	Costa Mesa, CA 92626			C. Broker Information:		
U.S. E.P.A. ID #:	CAC002818617			Name:	N/A	
Technical Contact:	Tammy Sorensen			Address:		
Phone Number:	714-227-7563 7463			Contact:		
Name of Waste:	Oil Water			Phone:		
Process Generating the Waste:	Heavy waste stored in a storage			Fax:		

ATTACH ANY MSDS and ANALYTICAL THAT HAS BEEN PERFORMED

D. Characteristics									
<u>Color</u>	<u>Odor</u>	<u>Physical State @ 70*</u>	<u>Layers</u>		<u>E. Metals</u> <input type="checkbox"/> None <input type="checkbox"/> TTLC mg/kg <input type="checkbox"/> STLC mg/l <input type="checkbox"/> TCLP mg/l				
SWN	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Multi-layered	<input type="checkbox"/> Arsenic	<input type="checkbox"/> Selenium	<input type="checkbox"/> Nickel	<input type="checkbox"/> Barium	<input type="checkbox"/> Silver	<input type="checkbox"/> Thallium
<u>BTU/LB</u>	<input type="checkbox"/> Mild	<input type="checkbox"/> Semi-Solid	<input checked="" type="checkbox"/> Bi-layered	<input type="checkbox"/> Benzene	<input type="checkbox"/> Asbestos	<input type="checkbox"/> Vanadium	<input type="checkbox"/> Cadmium	<input type="checkbox"/> Beryllium	<input type="checkbox"/> Zinc
<u>Flash Point</u>	<input type="checkbox"/> 140 - 200° F	<u>Density</u>	<u>Free Liquids</u>	<input type="checkbox"/> Chromium	<input type="checkbox"/> Cobalt	<input type="checkbox"/> Cyanides	<input type="checkbox"/> < 70° F	<input type="checkbox"/> > 200° F	<input type="checkbox"/> Lbs/Gal
<input type="checkbox"/> 70-100° F	<input checked="" type="checkbox"/> No Flash	<input type="checkbox"/> Lbs/Ft	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Lead	<input type="checkbox"/> Copper	<input type="checkbox"/> Pesticides	<input type="checkbox"/> 101-139° F	<input type="checkbox"/> Exnet	<input type="checkbox"/> API Gravity
<input type="checkbox"/> 101-139° F		1.0	100 %	<input type="checkbox"/> Mercury	<input type="checkbox"/> Molybdenum				
<u>pH Range</u>	<u>F. Physical/Chemical Composition</u>			<u>G. Shipping Information</u>					
<input type="checkbox"/> ≤ 2	WATER			Proper Shipping Name: Non-Hazardous Hazardous Waste Liquid (Oil Water)					
<input type="checkbox"/> 2.1-4	OIL			Hazard Class: UN/NA #: PG:					
<input checked="" type="checkbox"/> 4.1-10	60-80 %			State Code: 223 EPA Code:					
<input type="checkbox"/> 10.1-12.4	20-30 %			RCRA Hazardous <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No CERCLA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
<input type="checkbox"/> ≥ 12.5				<input type="checkbox"/> This waste is exempt from RCRA regulations, UST Remediation, per 40 CFR 261.4(b)(10)					
<input type="checkbox"/> Exact				<input type="checkbox"/> This waste is excluded from RCRA regulations, Commercial Chemical Product, per 40 CFR 261.2(c)(2)(ii)					
	<u>TOTAL (should = 100%)</u>			<u>Volume:</u>					
<input type="checkbox"/> Bulk Liquids	<input type="checkbox"/> Bulk Solids	<input type="checkbox"/> Drum(s)		<input type="checkbox"/> One-Time					
<u>Method of Shipment</u>				<input type="checkbox"/> Monthly					
<u>H. Special Handling Information:</u>				<input checked="" type="checkbox"/> Annually					
				Lab Pack <input type="checkbox"/>	Commodity Pack <input type="checkbox"/>	Consolidated <input checked="" type="checkbox"/>			

Generator or signatory below, of this waste, certifies that the information above is true and accurate and that the determination of this waste stream was derived by state certified analysis and/or generator knowledge. If the physical or chemical composition of the waste changes, the generator will notify Filter Recycling Services Inc. prior to shipment. The generator and signatory below are solely responsible for all cost(s) associated with the proper disposal of any material delivered to Filter Recycling Services, Inc.

<u>Signature:</u> [Signature]	<u>Printed Name:</u> Vernon Sorensen	<u>Title:</u> Owner	<u>Date:</u> 6-17-15
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(909) 873-4142 / profiling@filterrecycling.com

Filter Recycling Services, Inc.
P.O. Box 449 - Colton, California 92324

Date:

Authorized By:

A. Generator Information		<input type="checkbox"/> Household	<input type="checkbox"/> CESQG	Check if applicable	B. FRS Sales Representative:	
Generator Name: Baker St Self Storage					Name: Anthony Figueroa	
Site Address: 929 Baker St					Phone: 909-873-4141	
City, State, Zip: Costa Mesa, CA 92626					C. Broker Information:	
U.S. E.P.A. ID #: CAC002818617					Name: N/A	
Technical Contact: Tammy Sorensen					Address:	
Phone Number: 714-227-7563					Contact:	
Name of Waste: <i>used oil</i>					Phone:	
Process Generating the Waste: <i>from waste stored in a storage</i>					Fax:	

ATTACH ANY MSDS and ANALYTICAL THAT HAS BEEN PERFORMED

D. Characteristics							
Color <i>SN</i>	Odor	Physical State @ 70°		Layers		E. Metals <input checked="" type="checkbox"/> None <input type="checkbox"/> TTLC mg/kg <input type="checkbox"/> STLC mg/l <input type="checkbox"/> TCLP mg/l	
	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Liquid	<input type="checkbox"/> Multi-layered	Arsenic		Selenium	Nickel
BTU/LB	<input type="checkbox"/> Mild	<input type="checkbox"/> Semi-Solid	<input type="checkbox"/> Bi-layered	Barium		Silver	Thallium
	<input type="checkbox"/> Strong	<input type="checkbox"/> Solid	<input checked="" type="checkbox"/> Single Layered	Benzene		Asbestos	Vanadium
Flash Point	<input type="checkbox"/> 140 - 200° F	Density		Free Liquids		Cadmium	Beryllium
<input type="checkbox"/> < 70° F	<input type="checkbox"/> > 200° F	Lbs/Gal		<input type="checkbox"/> No		Chromium	Cobalt
<input type="checkbox"/> 70-100° F	<input checked="" type="checkbox"/> No Flash	Lbs/Ft		<input checked="" type="checkbox"/> Yes		Lead	Copper
<input type="checkbox"/> 101-139° F	Exact	API Gravity	<i>1.0</i>	<i>100</i>	%	Mercury	Molybdenum
pH Range	F. Physical/Chemical Composition			G. Shipping Information			
<input type="checkbox"/> ≤ 2	<i>Oil</i>			Proper Shipping Name: <i>NON-RCRA HAZARDOUS WASTE LIQUID (OIL)</i>			
<input type="checkbox"/> 2.1- 4				Hazard Class			
<input checked="" type="checkbox"/> 4.1- 10				UN/NA #:			
<input type="checkbox"/> 10.1- 12.4				PG:			
<input type="checkbox"/> ≥ 12.5				State Code: <i>221</i>			
<input type="checkbox"/> Exact				EPA Code:			
TOTAL (should = 100%)			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
			RCRA Hazardous				
			CERCLA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
			<input type="checkbox"/> This waste is exempt from RCRA regulations, UST Remediation, per 40 CFR 261.4(b)(10)				
			<input type="checkbox"/> This waste is excluded from RCRA regulations, Commercial Chemical Product, per 40 CFR 261.2(c)(2)(ii)				
<input type="checkbox"/> Bulk Liquids		<input type="checkbox"/> Bulk Solids		<input type="checkbox"/> Drum(s)		Volume:	
Method of Shipment						<input type="checkbox"/> One-Time	
H. Special Handling Information:						<input type="checkbox"/> Monthly	
						<input checked="" type="checkbox"/> Annually	
				Lab Pack <input type="checkbox"/>		Commodity Pack <input type="checkbox"/>	
						Consolidated <input checked="" type="checkbox"/>	
Generator or signatory below, of this waste, certifies that the information above is true and accurate and that the determination of this waste stream was derived by state certified analysis and/or generator knowledge. If the physical or chemical composition of the waste changes, the generator will notify Filter Recycling Services Inc. prior to shipment. The generator and signatory below are solely responsible for all cost(s) associated with the proper disposal of any material delivered to Filter Recycling Services, Inc.							
Signature: <i>Tammy Sorensen</i>		Printed Name: <i>Vernon Sorensen</i>		Title: <i>Owner</i>		Date: <i>6-17-15</i>	

The Profile Approval # and/or a copy of this profile must accompany each shipment

When completed, please Fax or Email to : (909) 873-4142 / profiling@filterrecycling.com		Profile Acceptance #
Filter Recycling Services, Inc. P.O. Box 449 - Colton, California 92324		Date:
		Authorized By:
A. Generator Information	<input type="checkbox"/> Household <input type="checkbox"/> CESQG <input type="checkbox"/> Check if applicable	B. FRS Sales Representative:
Generator Name: Baker St Self Storage		Name: Anthony Figueroa
Site Address: 929 Baker St		Phone: 909-873-4141
City, State, Zip: Costa Mesa, CA 92626		C. Broker Information:
U.S. E.P.A. ID #: CAC002818617		Name: N/A
Technical Contact: Tammy Sorensen		Address:
Phone Number: 714-227-7563		Contact:
Name of Waste: <i>Empty Drums</i>		Phone:
Process Generating the Waste: <i>HAWK CLASS</i>		Fax:

ATTACH ANY MSDS and ANALYTICAL THAT HAS BEEN PERFORMED

D. Characteristics										
Color <i>WZ</i>	Odor <input type="checkbox"/> None	Physical State @ 70° <input type="checkbox"/> Liquid	Layers <input type="checkbox"/> Multi-layered		E. Metals <input checked="" type="checkbox"/> None <input type="checkbox"/> TTLC mg/kg <input type="checkbox"/> STLC mg/l <input type="checkbox"/> TCLP mg/l					
BTU/LB <input type="checkbox"/> Mild	<input type="checkbox"/> Strong	<input type="checkbox"/> Semi-Solid	<input type="checkbox"/> Bi-layered		Arsenic	Selenium	Nickel			
		<input checked="" type="checkbox"/> Solid	<input checked="" type="checkbox"/> Single Layered		Barium	Silver	Thallium			
Flash Point <input type="checkbox"/> < 70° F	<input type="checkbox"/> 70-100° F	<input type="checkbox"/> 140 - 200° F	Density Lbs/Gal		Free Liquids <input checked="" type="checkbox"/> No	Benzene	Asbestos	Vanadium		
<input type="checkbox"/> 101-139° F	<input type="checkbox"/> No Flash	Exact	API Gravity <i>1.0</i>		<input type="checkbox"/> Yes	Cadmium	Beryllium	Zinc		
pH Range <input type="checkbox"/> ≤ 2	F. Physical/Chemical Composition <i>Empty Drums</i>				G. Shipping Information					
<input type="checkbox"/> 2.1- 4					Proper Shipping Name: <i>NON-REACT HAZARDOUS WASTE SOLID</i>					
<input checked="" type="checkbox"/> 4.1- 10					Hazard Class					
<input type="checkbox"/> 10.1- 12.4					UN/NA #:					
<input type="checkbox"/> ≥ 12.5					PG:					
<input type="checkbox"/> Exact					State Code: <i>512</i>					
				TOTAL (should = 100%)		EPA Code:				
						RCRA Hazardous <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CERCLA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
						<input type="checkbox"/> This waste is exempt from RCRA regulations, UST Remediation, per 40 CFR 261.4(b)(10)				
						<input type="checkbox"/> This waste is excluded from RCRA regulations, Commercial Chemical Product, per 40 CFR 261.2(c)(2)(ii)				
						Volume:				
						Drums		Boxes/ Sacks		
						Gallons		Yards		
						Lab Pack <input type="checkbox"/>		Commodity Pack <input type="checkbox"/>		
								Consolidated <input checked="" type="checkbox"/>		
H. Special Handling Information:										
Generator or signatory below, of this waste, certifies that the information above is true and accurate and that the determination of this waste stream was derived by state certified analysis and/or generator knowledge. If the physical or chemical composition of the waste changes, the generator will notify Filter Recycling Services Inc. prior to shipment. The generator and signatory below are solely responsible for all cost(s) associated with the proper disposal of any material delivered to Filter Recycling Services, Inc.										
Signature: <i>Vern Soren</i>			Printed Name: <i>Vernon Sorensen</i>			Title: <i>Owner</i>			Date: <i>6-17-15</i>	

Estimate



Scope of Services

- Waste Profile Preparation Services (included)
- Waste Manifest Preparation Services (included)
- Waste Transportation Services
- Waste Disposal/Recycling Services
- Transfer Waste Oil / Water too shippable drums
- Remove Oil impacted Debris and Soil.
- Segregate and Package various chemicals for treatment and disposal
-
-
-
-
-
-

Assumptions

- The work schedule will not be affected by inclement or dangerous weather conditions.
- Scheduling is subject to ELI approval and availability of resources. Please contact your ELI customer service representative to finalize the schedule for this project.
- Hourly rates are based on portal to portal, during normal weekday operations.
- Overtime (after 8 hours) Double Time (after 12 hours and weekend and Holiday Normal rates) apply.
- Additional services requested that are not listed in this proposal will be billed according to our standard schedule of rates.
- Goods and services outlined in this proposal are provided based on the completion and acceptance of the ELI customer application form.
- Actual volume of waste materials may vary from estimate and will be billed accordingly.
-
-
-

Terms

Payment terms are 30 days from the receipt of the invoice for the completed project. COD payment terms are available upon request. Customer shall have the right to terminate this agreement, in whole or in part, with or without cause, by providing ELI written notice of termination. ELI shall be paid the amount earned or reimbursable to it, including all reasonable costs incurred by ELI in connection with discontinuing the services referenced herein. ELI shall have no further claim against Customer with respect to such termination. This agreement may be terminated by ELI with or without cause upon written notice to Customer. Upon written notification this agreement will terminate and ELI shall be paid the amount earned hereunder to the date of termination. ELI shall have no further claim against Customer with respect to such termination.

Estimate Date:	6/4/2015
Project Start Date:	TBD
Estimate By:	Anthony Figueroa



APPENDIX K

INTERVIEW QUESTIONNAIRE(S)

NO DOCUMENTS PROVIDED



APPENDIX L
REGULATORY DATABASE REPORT

De Nova Homes- Baker St.

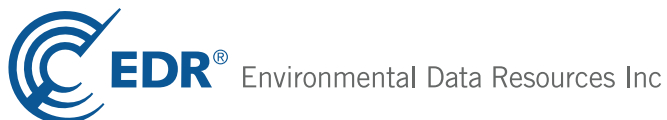
929 Baker Street

Costa Mesa, CA 92626

Inquiry Number: 4394412.2s

August 26, 2015

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) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

929 BAKER STREET
COSTA MESA, CA 92626

COORDINATES

Latitude (North): 33.6801000 - 33° 40' 48.36"
Longitude (West): 117.8958000 - 117° 53' 44.88"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 416962.8
UTM Y (Meters): 3726853.5
Elevation: 40 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5640950 NEWPORT BEACH, CA
Version Date: 2012

East Map: 5640942 TUSTIN, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120505
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 929 BAKER STREET
 COSTA MESA, CA 92626

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	NEWPORT MESA UNIFIED	2985 BEAR ST B	SWEEPS UST	Lower	532, 0.101, ESE
A2	NEWPORT MESA UNIFIED	2985 BEAR ST	CA FID UST	Lower	532, 0.101, ESE
A3	NEWPORT MESA UNIFIED	2985A BEAR	LUST	Lower	532, 0.101, ESE
A4	TRANSPORTATION	2985 BEAR ST STE D	HIST UST	Lower	532, 0.101, ESE
A5	M O TRANSPORTATION	2985 BEAR ST	LUST, HIST CORTESE, NPDES	Lower	532, 0.101, ESE
A6	MAINTENANCE & OPERAT	2985 BEAR ST STE A	HIST UST	Lower	532, 0.101, ESE
A7	NEWPORT MESA UNIFIED	2985#E BEAR STREET	RCRA-CESQG	Lower	532, 0.101, ESE
A8	NEWPORT MESA UNIFIED	2985 BEAR ST	UST, HIST CORTESE, WDS	Lower	532, 0.101, ESE
9	LEHMANS MEDICAL CORP	890 W BAKER STE 100	RCRA-SQG, FINDS	Lower	678, 0.128, East
10		891 BAKER ST	EDR US Hist Cleaners	Lower	714, 0.135, ESE
11		900 VAN NESS CT	EDR US Hist Cleaners	Higher	1019, 0.193, WNW
B12	COSTA MESA FIRE DEPT	800 BAKER	LUST, CA FID UST	Lower	1903, 0.360, East
B13	RUSSELL PROPERTY	2972 CENTURY	LUST	Lower	1907, 0.361, East
B14	RUSSEL PROPERTY /CUS	2972	HIST CORTESE	Lower	1907, 0.361, East
15	ADEPT MFG	2990 GRACE	LUST	Higher	2068, 0.392, West
C16	YOUR NEIGHBORHOOD GA	1045 EL CAMINO DRIVE	LUST	Higher	2140, 0.405, SW
C17	FORMER GAS STATION	1045 EL CAMINO DR	LUST, Orange Co. Industrial Site, HIST CORTESE	Higher	2140, 0.405, SW
C18	EL CAMINO AUTO SERVI	1045 EL CAMINO	LUST, SWEEPS UST, CA FID UST	Higher	2155, 0.408, SW
19	SULLIVAN CONCRETE TE	1111 BAKER ST	LUST, CA FID UST, EMI, HIST CORTESE	Higher	2362, 0.447, West
D20	THRIFTY OIL STN #151	751 BAKER ST	LUST, UST	Higher	2374, 0.450, East
D21	THRIFTY OIL #151	751	CA FID UST, HIST CORTESE	Higher	2374, 0.450, East
E22	FLINTRIDGE LANDSCAPE	2973 RANDOLPH AVE	LUST, UST, SWEEPS UST, HIST UST, HIST CORTESE	Higher	2456, 0.465, East
E23	EXOTIC MATERIAL INC	2968 RANDOLPH AVE	CERC-NFRAP, RCRA NonGen / NLR, ICIS, FINDS	Higher	2472, 0.468, East
F24	GRAHAM BROTHERS	2956 RANDOLPH	LUST, CA FID UST	Higher	2498, 0.473, ESE
F25	SO COAST IMPORT AUTO	2956 RANDOLPH AVE	LUST, RCRA NonGen / NLR, FINDS, HAZNET, HIST...	Higher	2498, 0.473, ESE
26	GALLACHER INVESTMENT	1127 BAKER	LUST, HIST CORTESE	Higher	2579, 0.488, West
27	EXOTIC MATERIAL INC	2930 BRISTOL ST	ENVIROSTOR	Higher	2842, 0.538, ESE
28	SHELL SERVICE STATIO	3045 BRISTOL	LUST, Notify 65	Lower	3164, 0.599, ENE
29	COSTA MESA AIR NATIO	S OF PRESIDIO DR & W	RESPONSE, ENVIROSTOR, HIST Cal-Sites, Cortese	Higher	3441, 0.652, SSE
30	(CMAFP) SANTA ANA AI		ENVIROSTOR	Higher	4371, 0.828, SSE
31	METROPOLITAN CIRCUIT	1267 LOGAN AVENUE	RESPONSE, ENVIROSTOR, HIST Cal-Sites, CA BOND EXP....	Higher	4901, 0.928, West
G32	SANTA ANA ARMY AIR B		FUDS	Higher	4961, 0.940, SSW
G33	SANTA ANA AAB		ENVIROSTOR	Higher	4970, 0.941, SSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

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

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

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... National Clandestine Laboratory Register
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... Clandestine Drug Labs

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

EXECUTIVE SUMMARY

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

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
FINDS..... Facility Index System/Facility Registry System
Cortese..... "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings..... CUPA Resources List
DRYCLEANERS..... Cleaner Facilities
EMI..... Emissions Inventory Data
ENF..... Enforcement Action Listing
Financial Assurance..... Financial Assurance Information Listing
HAZNET..... Facility and Manifest Data
HWP..... EnviroStor Permitted Facilities Listing
HWT..... Registered Hazardous Waste Transporter Database
MINES..... Mines Site Location Listing
MWMP..... Medical Waste Management Program Listing
NPDES..... NPDES Permits Listing
PEST LIC..... Pesticide Regulation Licenses Listing
PROC..... Certified Processors Database
UIC..... UIC Listing
WASTEWATER PITS..... Oil Wastewater Pits Listing
WDS..... Waste Discharge System

EXECUTIVE SUMMARY

WIP..... Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat..... EDR Exclusive Historic Gas Stations

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>EXOTIC MATERIAL INC</i>	<i>2968 RANDOLPH AVE</i>	<i>E 1/4 - 1/2 (0.468 mi.)</i>	<i>E23</i>	<i>61</i>

EXECUTIVE SUMMARY

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 03/10/2015 has revealed that there is 1 RCRA-SQG 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>
LEHMANS MEDICAL CORP	890 W BAKER STE 100	E 1/8 - 1/4 (0.128 mi.)	9	28

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/10/2015 has revealed that there is 1 RCRA-CESQG 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>
NEWPORT MESA UNIFIED	2985#E BEAR STREET	ESE 0 - 1/8 (0.101 mi.)	A7	23

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, and dated 05/04/2015 has revealed that there are 2 RESPONSE sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COSTA MESA AIR NATIO AWP Facility Id: 30970004 Status: Active Facility Id: 30970004	S OF PRESIDIO DR & W	SSE 1/2 - 1 (0.652 mi.)	29	76
METROPOLITAN CIRCUIT Status: Certified Facility Id: 30360008	1267 LOGAN AVENUE	W 1/2 - 1 (0.928 mi.)	31	85

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 05/04/2015 has revealed that there are 5 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EXOTIC MATERIAL INC Facility Id: 30280530 Status: Refer: Other Agency	2930 BRISTOL ST	ESE 1/2 - 1 (0.538 mi.)	27	72
COSTA MESA AIR NATIO Facility Id: 30970004 Status: Active	S OF PRESIDIO DR & W	SSE 1/2 - 1 (0.652 mi.)	29	76
(CMAFP) SANTA ANA AI Facility Id: 80000028 Status: Inactive - Needs Evaluation		SSE 1/2 - 1 (0.828 mi.)	30	84
METROPOLITAN CIRCUIT Facility Id: 30360008 Status: Certified	1267 LOGAN AVENUE	W 1/2 - 1 (0.928 mi.)	31	85
SANTA ANA AAB Facility Id: 80000467 Status: Inactive - Needs Evaluation		SSW 1/2 - 1 (0.941 mi.)	G33	105

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 06/15/2015 has revealed that there are 14 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>
ADEPT MFG Status: Completed - Case Closed Facility Id: 87UT004 Facility Status: Remedial action (cleanup) Underway Global Id: T0605900016 Current Status: 9 Global ID: T0605900016	2990 GRACE	W 1/4 - 1/2 (0.392 mi.)	15	35
YOUR NEIGHBORHOOD GA	1045 EL CAMINO DRIVE	SW 1/4 - 1/2 (0.405 mi.)	C16	38

EXECUTIVE SUMMARY

Facility Status: Case Closed Global ID: T0605964289				
FORMER GAS STATION Status: Completed - Case Closed Facility Id: 90UT229 Facility Id: 04UT009 Global Id: T0605901271 Global Id: T0605964289 Current Status: 9	1045 EL CAMINO DR	SW 1/4 - 1/2 (0.405 mi.)	C17	39
EL CAMINO AUTO SERVI Facility Status: Case Closed Global ID: T0605901271	1045 EL CAMINO	SW 1/4 - 1/2 (0.408 mi.)	C18	43
SULLIVAN CONCRETE TE Status: Completed - Case Closed Facility Id: 98UT004 Facility Status: Pollution Characterization Global Id: T0605902128 Current Status: 9 Global ID: T0605902128	1111 BAKER ST	W 1/4 - 1/2 (0.447 mi.)	19	45
THRIFTY OIL STN #151 Status: Open - Remediation Facility Id: 85UT131 Facility Status: Remedial action (cleanup) Underway Global Id: T0605900509 Current Status: 8 Global ID: T0605900509	751 BAKER ST	E 1/4 - 1/2 (0.450 mi.)	D20	51
FLINTRIDGE LANDSCAPE Status: Completed - Case Closed Facility Id: 89UT133 Facility Status: Case Closed Global Id: T0605901002 Current Status: 9 Global ID: T0605901002	2973 RANDOLPH AVE	E 1/4 - 1/2 (0.465 mi.)	E22	57
GRAHAM BROTHERS Facility Id: 94UT065 Facility Status: Case Closed Current Status: 9 Global ID: T0605901820	2956 RANDOLPH	ESE 1/4 - 1/2 (0.473 mi.)	F24	64
SO COAST IMPORT AUTO Status: Completed - Case Closed Global Id: T0605901820	2956 RANDOLPH AVE	ESE 1/4 - 1/2 (0.473 mi.)	F25	66
GALLACHER INVESTMENT Status: Completed - Case Closed Facility Id: 89UT217 Facility Status: Case Closed Global Id: T0605901048 Current Status: 9 Global ID: T0605901048	1127 BAKER	W 1/4 - 1/2 (0.488 mi.)	26	69
Lower Elevation	Address	Direction / Distance	Map ID	Page
NEWPORT MESA UNIFIED	2985A BEAR	ESE 0 - 1/8 (0.101 mi.)	A3	11

EXECUTIVE SUMMARY

Facility Status: Pollution Characterization
Global ID: T0605902072

<p>M O TRANSPORTATION Status: Open - Remediation Status: Completed - Case Closed Facility Id: 90UT064 Facility Id: 97UT021 Facility Status: Case Closed Global Id: T0605902072 Global Id: T0605901112 Current Status: 9 Current Status: 7 Global ID: T0605901112</p>	<p>2985 BEAR ST</p>	<p>ESE 0 - 1/8 (0.101 mi.)</p>	<p>A5</p>	<p>13</p>
<p>COSTA MESA FIRE DEPT Status: Completed - Case Closed Facility Id: 87UT133 Facility Status: Case Closed Global Id: T0605900480 Current Status: 9 Global ID: T0605900480</p>	<p>800 BAKER</p>	<p>E 1/4 - 1/2 (0.360 mi.)</p>	<p>B12</p>	<p>30</p>
<p>RUSSELL PROPERTY Status: Completed - Case Closed Facility Id: 90UT193 Facility Status: Case Closed Global Id: T0605901235 Current Status: 9 Global ID: T0605901235</p>	<p>2972 CENTURY</p>	<p>E 1/4 - 1/2 (0.361 mi.)</p>	<p>B13</p>	<p>32</p>

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, and dated 06/15/2015 has revealed that there is 1 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>
NEWPORT MESA UNIFIED Facility Id: FA0024541 Facility Id: 6689	2985 BEAR ST	ESE 0 - 1/8 (0.101 mi.)	A8	26

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous

EXECUTIVE SUMMARY

substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 2 HIST Cal-Sites sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>COSTA MESA AIR NATIO</i>	<i>S OF PRESIDIO DR & W</i>	<i>SSE 1/2 - 1 (0.652 mi.)</i>	<i>29</i>	<i>76</i>
<i>METROPOLITAN CIRCUIT</i>	<i>1267 LOGAN AVENUE</i>	<i>W 1/2 - 1 (0.928 mi.)</i>	<i>31</i>	<i>85</i>

Local Lists of Registered Storage Tanks

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NEWPORT MESA UNIFIED Status: A Tank Status: A Comp Number: 6689	2985 BEAR ST B	ESE 0 - 1/8 (0.101 mi.)	A1	8

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRANSPORTATION Facility Id: 00000029958	2985 BEAR ST STE D	ESE 0 - 1/8 (0.101 mi.)	A4	12
MAINTENANCE & OPERAT Facility Id: 00000029976	2985 BEAR ST STE A	ESE 0 - 1/8 (0.101 mi.)	A6	22

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>
NEWPORT MESA UNIFIED Facility Id: 30017339 Status: A	2985 BEAR ST	ESE 0 - 1/8 (0.101 mi.)	A2	10

EXECUTIVE SUMMARY

Other Ascertainable Records

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 06/06/2014 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA ANA ARMY AIR B		SSW 1/2 - 1 (0.940 mi.)	G32	104

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
METROPOLITAN CIRCUIT	1267 LOGAN AVENUE	W 1/2 - 1 (0.928 mi.)	31	85

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>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER GAS STATION Reg Id: 083001685T	1045 EL CAMINO DR	SW 1/4 - 1/2 (0.405 mi.)	C17	39
SULLIVAN CONCRETE TE Reg Id: 083003123T Reg Id: 083000696T	1111 BAKER ST	W 1/4 - 1/2 (0.447 mi.)	19	45
THRIFTY OIL #151 Reg Id: 083000637T	751	E 1/4 - 1/2 (0.450 mi.)	D21	57
FLINTRIDGE LANDSCAPE Reg Id: 083001310T	2973 RANDOLPH AVE	E 1/4 - 1/2 (0.465 mi.)	E22	57
SO COAST IMPORT AUTO Reg Id: 083002611T	2956 RANDOLPH AVE	ESE 1/4 - 1/2 (0.473 mi.)	F25	66
GALLACHER INVESTMENT Reg Id: 083001388T	1127 BAKER	W 1/4 - 1/2 (0.488 mi.)	26	69

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
M O TRANSPORTATION Reg Id: 083001465T	2985 BEAR ST	ESE 0 - 1/8 (0.101 mi.)	A5	13
NEWPORT MESA UNIFIED Reg Id: 083003038T	2985 BEAR ST	ESE 0 - 1/8 (0.101 mi.)	A8	26
RUSSEL PROPERTY /CUS	2972	E 1/4 - 1/2 (0.361 mi.)	B14	35

EXECUTIVE SUMMARY

Reg Id: 083001627T

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there is 1 Notify 65 site 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>
<i>SHELL SERVICE STATIO</i>	<i>3045 BRISTOL</i>	<i>ENE 1/2 - 1 (0.599 mi.)</i>	<i>28</i>	<i>73</i>

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist 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.

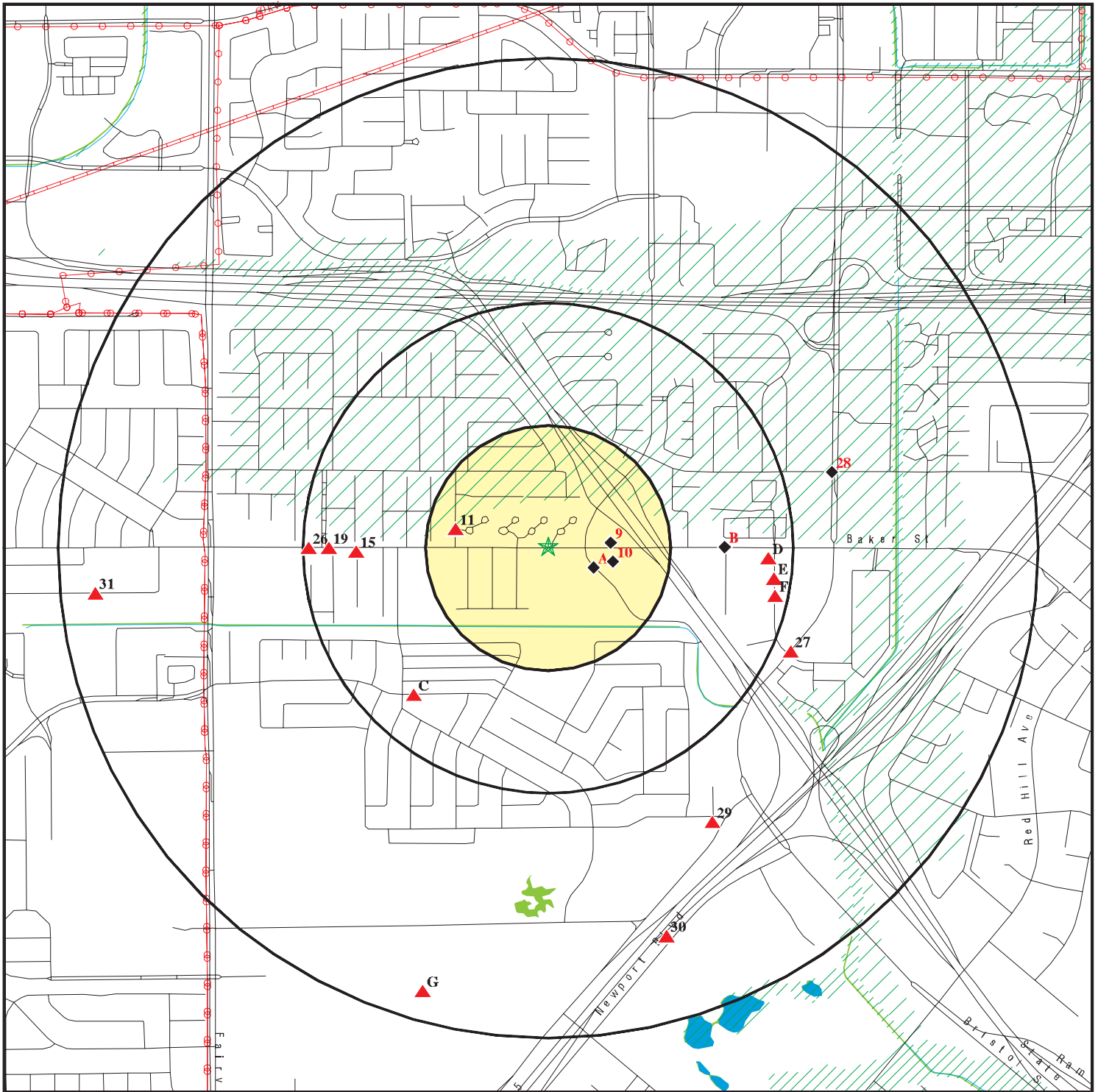
A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 2 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	900 VAN NESS CT	WNW 1/8 - 1/4 (0.193 mi.)	11	29
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	891 BAKER ST	ESE 1/8 - 1/4 (0.135 mi.)	10	29

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 4394412.2S



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

⚡ Power transmission lines

⚡ Pipelines

▨ 100-year flood zone

▨ 500-year flood zone

■ National Wetland Inventory

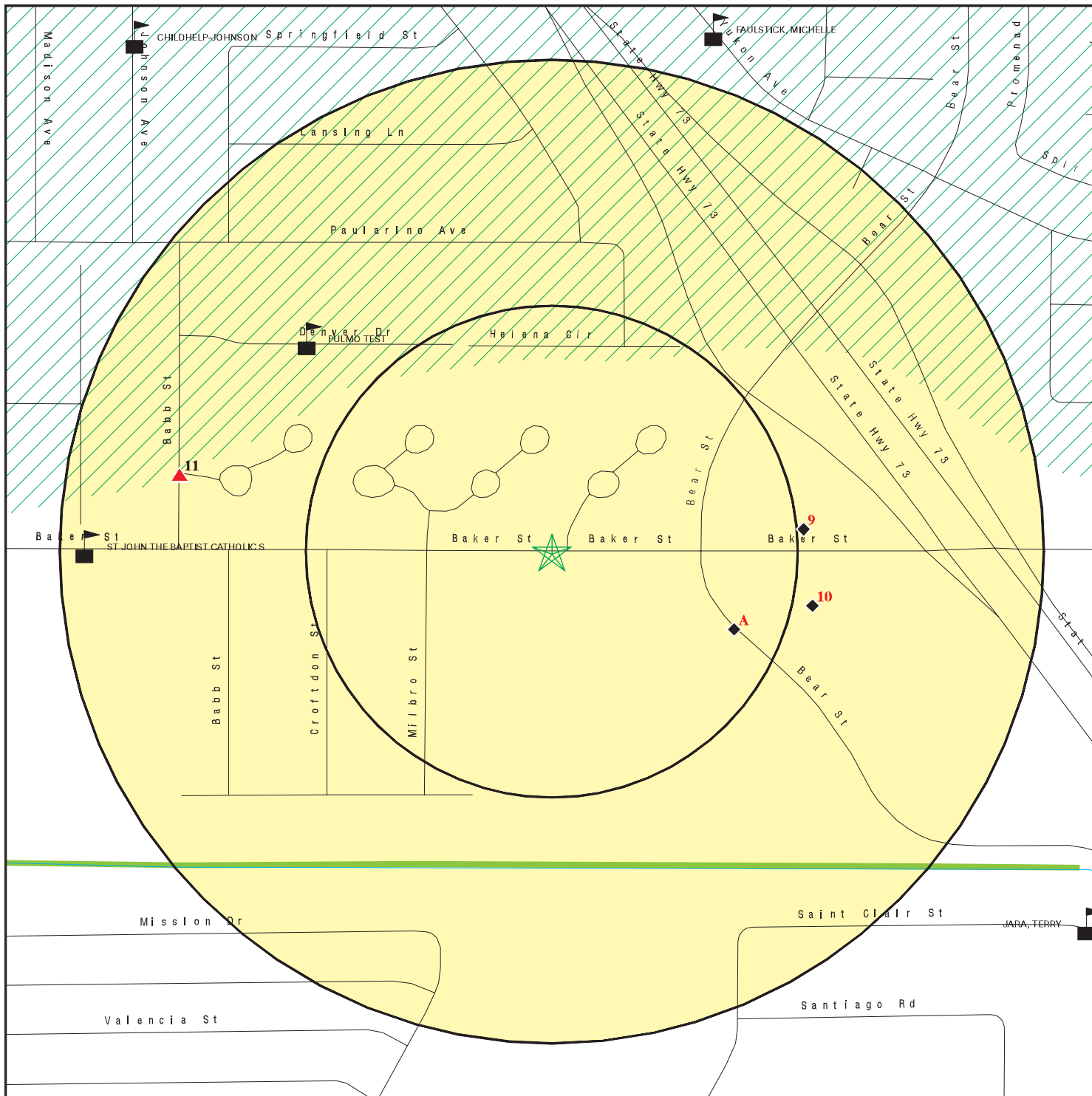
■ Areas of Concern

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: De Nova Homes- Baker St.
 ADDRESS: 929 Baker Street
 Costa Mesa CA 92626
 LAT/LONG: 33.6801 / 117.8958

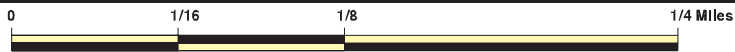
CLIENT: Bureau Veritas North America, Inc.
 CONTACT: Sara Boyer
 INQUIRY #: 4394412.2s
 DATE: August 26, 2015 5:42 pm

DETAIL MAP - 4394412.2S



- ★ 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
- 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: De Nova Homes- Baker St.
 ADDRESS: 929 Baker Street
 Costa Mesa CA 92626
 LAT/LONG: 33.6801 / 117.8958

CLIENT: Bureau Veritas North America, Inc.
 CONTACT: Sara Boyer
 INQUIRY #: 4394412.2s
 DATE: August 26, 2015 5:43 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	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
CERCLIS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	1	NR	NR	1
<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		0	1	NR	NR	NR	1
RCRA-CESQG	0.250		1	0	NR	NR	NR	1
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	2	NR	2
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	0	0	5	NR	5
<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	0	12	NR	NR	14

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
SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	2	NR	2
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	0	NR	NR	NR	1
HIST UST	0.250		2	0	NR	NR	NR	2
CA FID UST	0.250		1	0	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0

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
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
Orange Co. Industrial Site SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		2	0	7	NR	NR	9
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	2	NR	NR	NR	2

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

- Totals --		0	10	3	20	12	0	45
-------------	--	---	----	---	----	----	---	----

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
ESE
< 1/8
0.101 mi.
532 ft.

NEWPORT MESA UNIFIED SCH DIST
2985 BEAR ST B
COSTA MESA, CA 92626

SWEEPS UST S106929893
N/A

Site 1 of 8 in cluster A

Relative:
Lower

SWEEPS UST:

Actual:
37 ft.

Status: Not reported
Comp Number: 6689
Number: Not reported
Board Of Equalization: 44-016517
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006689-000010
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: 4

Status: Not reported
Comp Number: 6689
Number: Not reported
Board Of Equalization: 44-016517
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006689-000011
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 6689
Number: Not reported
Board Of Equalization: 44-016517
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006689-000017
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEWPORT MESA UNIFIED SCH DIST (Continued)

S106929893

Comp Number: 6689
Number: Not reported
Board Of Equalization: 44-016517
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006689-000018
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 6689
Number: 9
Board Of Equalization: 44-016517
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006689-000001
Tank Status: A
Capacity: 500
Active Date: Not reported
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: 5

Status: Active
Comp Number: 6689
Number: 9
Board Of Equalization: 44-016517
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006689-000006
Tank Status: A
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: GASHOL
Number Of Tanks: Not reported

Status: Active
Comp Number: 6689
Number: 9
Board Of Equalization: 44-016517
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEWPORT MESA UNIFIED SCH DIST (Continued)

S106929893

Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006689-000007
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 6689
Number: 9
Board Of Equalization: 44-016517
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006689-000008
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: 6689
Number: 9
Board Of Equalization: 44-016517
Referral Date: 09-30-92
Action Date: 09-15-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006689-000009
Tank Status: A
Capacity: 230
Active Date: Not reported
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: Not reported

A2
ESE
< 1/8
0.101 mi.
532 ft.

NEWPORT MESA UNIFIED SCH DIST
2985 BEAR ST
COSTA MESA, CA 92626

CA FID UST S101631300
N/A

Site 2 of 8 in cluster A

Relative:
Lower

CA FID UST:
Facility ID: 30017339
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145563496
Mail To: Not reported

Actual:
37 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NEWPORT MESA UNIFIED SCH DIST (Continued)

S101631300

Mailing Address: 2985 BEAR
 Mailing Address 2: Not reported
 Mailing City,St,Zip: COSTA MESA 92626
 Contact: Not reported
 Contact Phone: Not reported
 DUNS Number: Not reported
 NPDES Number: Not reported
 EPA ID: Not reported
 Comments: Not reported
 Status: Active

A3
ESE
 < 1/8
 0.101 mi.
 532 ft.

NEWPORT MESA UNIFIED SCHOOL DI
2985A BEAR
COSTA MESA, CA 92626
 Site 3 of 8 in cluster A

LUST S106784735
N/A

Relative:
Lower

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Pollution Characterization
Case Number:	083003038T
Local Case Num:	97UT021
Case Type:	Other ground water affected
Substance:	12035,800661
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	SEL
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	New Tank
Leak Cause:	Unknown
Leak Source:	D
Global ID:	T0605902072
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	5/29/1997
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	5/29/1997
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6816134
Longitude:	-117.8940133
MTBE Date:	6/29/2004

Actual:
 37 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEWPORT MESA UNIFIED SCHOOL DI (Continued)

S106784735

Max MTBE GW: 21800
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 0
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class: *
Staff: CAB
Staff Initials: AR
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

**A4
ESE
< 1/8
0.101 mi.
532 ft.**

**TRANSPORTATION
2985 BEAR ST STE D
COSTA MESA, CA 92626
Site 4 of 8 in cluster A**

**HIST UST U001576848
N/A**

**Relative:
Lower
Actual:
37 ft.**

HIST UST:
Region: STATE
Facility ID: 00000029958
Facility Type: Other
Other Type: SCHOOL DISTRICT
Contact Name: CAROLYN B. STOCKER
Telephone: 7145563496
Owner Name: NEWPORT-MESA UNIFIED SCHOOL DI
Owner Address: P.O. BOX 1368
Owner City,St,Zip: NEWPORT BEACH, CA 92663
Total Tanks: 0004

Tank Num: 001
Container Num: 4
Year Installed: 1970
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 3
Year Installed: 1970
Tank Capacity: 00009942
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 2
Year Installed: 1970
Tank Capacity: 00005155
Tank Used for: PRODUCT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TRANSPORTATION (Continued)

U001576848

Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 1
Year Installed: 1970
Tank Capacity: 00009942
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

**A5
ESE
< 1/8
0.101 mi.
532 ft.**

**M O TRANSPORTATION
2985 BEAR ST
COSTA MESA, CA 92626**

**LUST 1000348918
HIST CORTESE N/A
NPDES**

Site 5 of 8 in cluster A

**Relative:
Lower**

LUST:

**Actual:
37 ft.**

Region: STATE
Global Id: T0605902072
Latitude: 33.678356429
Longitude: -117.894000759
Case Type: Not reported
Status: Open - Remediation
Status Date: 10/31/2008
Lead Agency: Not reported
Case Worker: DB
Local Agency: Not reported
RB Case Number: 083003038T
LOC Case Number: Not reported
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating, 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.

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

Contact:

Global Id: T0605902072
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: cbernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0605902072
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120
City: SANTA ANA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M O TRANSPORTATION (Continued)

1000348918

Email: dbaker@ochca.com
Phone Number: 7144336255

Status History:

Global Id: T0605902072
Status: Open - Case Begin Date
Status Date: 05/29/1997

Global Id: T0605902072
Status: Open - Remediation
Status Date: 10/31/2008

Global Id: T0605902072
Status: Open - Site Assessment
Status Date: 05/29/1997

Regulatory Activities:

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 08/15/2005
Action: Staff Letter

Global Id: T0605902072
Action Type: REMEDIATION
Date: 03/29/2007
Action: Soil Vapor Extraction (SVE)

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 09/17/2010
Action: File review

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 01/13/2003
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 07/21/1997
Action: Notice of Responsibility

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 05/07/2003
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 06/18/2003
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M O TRANSPORTATION (Continued)

1000348918

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 10/05/2004
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 07/14/2005
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 11/21/2006
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 03/14/2008
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 12/21/2006
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 07/05/2007
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 03/08/2007
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 08/11/2009
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 03/19/2009
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 03/16/2011
Action: File review

Global Id: T0605902072
Action Type: Other
Date: 07/16/1997
Action: Leak Reported

Global Id: T0605902072
Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M O TRANSPORTATION (Continued)

1000348918

Date: 12/15/2010
Action: File review

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 02/18/2015
Action: File review

Global Id: T0605902072
Action Type: Other
Date: 05/29/1997
Action: Leak Discovery

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 05/11/2009
Action: Staff Letter

Global Id: T0605902072
Action Type: ENFORCEMENT
Date: 03/04/2013
Action: File review

Global Id: T0605902072
Action Type: REMEDIATION
Date: 10/12/2007
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0605902072
Action Type: REMEDIATION
Date: 08/17/2001
Action: Excavation

Global Id: T0605902072
Action Type: REMEDIATION
Date: 04/12/2011
Action: Pump & Treat (P&T) Groundwater

Region: STATE
Global Id: T0605901112
Latitude: 33.6789255509772
Longitude: -117.893815040588
Case Type: Not reported
Status: Completed - Case Closed
Status Date: 08/24/1990
Lead Agency: Not reported
Case Worker: DB
Local Agency: Not reported
RB Case Number: 083001465T
LOC Case Number: Not reported
File Location: Local Agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M O TRANSPORTATION (Continued)

1000348918

Potential Media Affect: Soil
Potential Contaminants of Concern: Stoddard solvent / Mineral Sprits / Distillates, Kerosene
Site History: Not reported

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

Contact:

Global Id: T0605901112
Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: phannon@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0605901112
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

Status History:

Global Id: T0605901112
Status: Completed - Case Closed
Status Date: 08/24/1990

Global Id: T0605901112
Status: Open - Case Begin Date
Status Date: 02/01/1990

Regulatory Activities:

Global Id: T0605901112
Action Type: Other
Date: 02/01/1990
Action: Leak Reported

Global Id: T0605901112
Action Type: Other
Date: 02/01/1990
Action: Leak Discovery

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 90UT064
Current Status: Certification (Case Closed)
Released Substance: Stoddard solvent (Type 1, petroleum spirits)
Date Closed: 08/24/1990
Case Type: Soil Only
Record ID: RO0002447

Region: ORANGE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M O TRANSPORTATION (Continued)

1000348918

Facility Id: 90UT064
Current Status: Certification (Case Closed)
Released Substance: Lacquer thinner
Date Closed: 08/24/1990
Case Type: Soil Only
Record ID: RO0002447

Region: ORANGE
Facility Id: 90UT064
Current Status: Certification (Case Closed)
Released Substance: Paint thinner
Date Closed: 08/24/1990
Case Type: Soil Only
Record ID: RO0002447

Region: ORANGE
Facility Id: 97UT021
Current Status: Remedial Action
Released Substance: Waste oil/Used oil
Date Closed: Not reported
Case Type: Other Ground Water
Record ID: RO0001512

Region: ORANGE
Facility Id: 90UT064
Current Status: Certification (Case Closed)
Released Substance: Kerosene
Date Closed: 08/24/1990
Case Type: Soil Only
Record ID: RO0002447

Region: ORANGE
Facility Id: 97UT021
Current Status: Remedial Action
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: Not reported
Case Type: Other Ground Water
Record ID: RO0001512

LUST REG 8:

Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083001465T
Local Case Num: 90UT064
Case Type: Soil only
Substance: 49,8008206,8
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M O TRANSPORTATION (Continued)

1000348918

Global ID: T0605901112
How Stopped Date: 9/9/9999
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 2/1/1990
Enforcement Date: Not reported
Close Date: 8/24/1990
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.6816134
Longitude: -117.8940133
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
MTBE Class: *
Staff: PAH
Staff Initials: AR
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083001465T

NPDES:

Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 8
Regulatory Measure Id: 209168
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 8 30I018039

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M O TRANSPORTATION (Continued)

1000348918

Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/02/2003
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Newport Mesa USD
Discharge Address:	2985 Bear St
Discharge City:	Costa Mesa
Discharge State:	California
Discharge Zip:	92626
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY 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 NAME:	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 NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	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 COMMERTIAL 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M O TRANSPORTATION (Continued)

1000348918

CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	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
Facility Status:	Not reported
Agency Id:	Not reported
Region:	8
Regulatory Measure Id:	209168
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	8 30I018039
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	04/02/2003
STATUS CODE NAME:	Active
STATUS DATE:	04/02/2003
PLACE SIZE:	4
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Tim Marsh
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	714-424-7527
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	tmarsh@nmusd.us
OPERATOR NAME:	Newport Mesa USD
OPERATOR ADDRESS:	2985 Bear St
OPERATOR CITY:	Costa Mesa
OPERATOR STATE:	California
OPERATOR ZIP:	92626
OPERATOR CONTACT NAME:	Tim Marsh
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	714-424-7527
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	tmarsh@nmusd.us
OPERATOR TYPE:	Special District
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

M O TRANSPORTATION (Continued)

1000348918

DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	999-999-9999
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERCIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Pacific Ocean
CERTIFIER NAME:	Tim Marsh
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	19-JUL-12
PRIMARY SIC:	8211-Elementary and Secondary Schools
SECONDARY SIC:	4151-School Buses
TERTIARY SIC:	4225-General Warehousing and Storage

A6
ESE
 < 1/8
 0.101 mi.
 532 ft.

MAINTENANCE & OPERATIONS
2985 BEAR ST STE A
COSTA MESA, CA 92626
 Site 6 of 8 in cluster A

HIST UST **U001576819**
 N/A

Relative:
Lower

Actual:
 37 ft.

HIST UST:	
Region:	STATE
Facility ID:	00000029976
Facility Type:	Other
Other Type:	SCHOOL DIST.
Contact Name:	RAYMOND R. SCHNIERER
Telephone:	7145563240
Owner Name:	NEWPORT - MESA UNIFIED SCH. DI
Owner Address:	P.O. BOX 1368
Owner City,St,Zip:	NEWPORT BEACH, CA 92663
Total Tanks:	0006
Tank Num:	001
Container Num:	#1
Year Installed:	1972
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	#2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAINTENANCE & OPERATIONS (Continued)

U001576819

Year Installed: 1972
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: 1972
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: #4
Year Installed: 1972
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: #5
Year Installed: 1972
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 006
Container Num: #6
Year Installed: 1972
Tank Capacity: 00000180
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

A7
ESE
< 1/8
0.101 mi.
532 ft.

NEWPORT MESA UNIFIED SCHOOL DISTRICT
2985#E BEAR STREET
COSTA MESA, CA 92626

RCRA-CESQG 1007199560
CAD981676026

Site 7 of 8 in cluster A

Relative:
Lower

RCRA-CESQG:
Date form received by agency: 04/22/2006
Facility name: NEWPORT MESA UNIFIED SCHOOL DISTRICT
Facility address: 2985#E BEAR STREET
COSTA MESA, CA 92626
EPA ID: CAD981676026
Mailing address: 2985 #E BEAR ST
COSTA MESA, CA 92626
Contact: TOMMY REMINISKEY

Actual:
37 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEWPORT MESA UNIFIED SCHOOL DISTRICT (Continued)

1007199560

Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (714) 424-7541
Contact email: TREMINISKEY@NMUSD.US
EPA Region: 09
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: NEWPORT MESA UNIFIED SCHOOL DISTRICT
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: District
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1967
Owner/Op end date: Not reported

Owner/operator name: NEWPORT MESA UNIFIED SCHOOL DISTRICT
Owner/operator address: 2985 #E BEAR STREET
COSTA MESA, CA 92626
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1967
Owner/Op end date: Not reported

Handler Activities Summary:

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEWPORT MESA UNIFIED SCHOOL DISTRICT (Continued)

1007199560

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Yes

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Yes

. Waste code: 122
. Waste name: 122

. Waste code: 214
. Waste name: 214

. Waste code: 331
. Waste name: 331

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

Historical Generators:

Date form received by agency: 06/05/1991
Site name: NEWPORT MES UNIFIED SCHOOL DIST
Classification: Large Quantity Generator

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A8
ESE
< 1/8
0.101 mi.
532 ft.

NEWPORT MESA UNIFIED SCH DIST
2985 BEAR ST
COSTA MESA, CA 92626
Site 8 of 8 in cluster A

UST U003433260
HIST CORTESE N/A
WDS

Relative:
Lower

UST:
Facility ID: 6689
Permitting Agency: ORANGE COUNTY
Latitude: 33.6797203
Longitude: -117.891781

Actual:
37 ft.

ORANGE CO. UST:
Facility ID: FA0024541

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083003038T

WDS:

Facility ID: Santa Ana River 30I018039
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: 8
Facility Telephone: Not reported
Facility Contact: JETTA ERIC
Agency Name: NEWPORT MESA UNIFIED SD
Agency Address: 2985 BEAR ST BLDG A
Agency City,St,Zip: COSTA MESA 92626
Agency Contact: Not reported
Agency Telephone: 7144248906
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEWPORT MESA UNIFIED SCH DIST (Continued)

U003433260

to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

Facility ID: Santa Ana River 30I018039
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: 8

Facility Telephone: Not reported
Facility Contact: ERIC JETTA
Agency Name: NEWPORT MESA UNIFIED SD
Agency Address: 2985 BEAR ST BLDG A
Agency City,St,Zip: COSTA MESA 92626
Agency Contact: Not reported
Agency Telephone: 7144248906
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 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.

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

9
East
1/8-1/4
0.128 mi.
678 ft.

LEHMANS MEDICAL CORP
890 W BAKER STE 100
COSTA MESA, CA 92626

RCRA-SQG 1000685901
FINDS CAD983628173

Relative:
Lower

RCRA-SQG:

Date form received by agency: 09/15/1992
Facility name: LEHMANS MEDICAL CORP
Facility address: 890 W BAKER STE 100
COSTA MESA, CA 92626
EPA ID: CAD983628173
Mailing address: 890 W BAKER STE FIRST HUNDRED
COSTA MESA, CA 92626
Contact: PATRICK RUTIGLIANO
Contact address: 12828 HARBOR BLVD
GARDEN GROVE, CA 92640
Contact country: US
Contact telephone: (714) 638-7823
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

Actual:
39 ft.

Owner/Operator Summary:

Owner/operator name: LEHMAN MEDICAL CORP
Owner/operator address: 12828 HARBOR BLVD STE 301
GARDEN GROVE, CA 92640
Owner/operator country: Not reported
Owner/operator telephone: (714) 638-7823
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEHMANS MEDICAL CORP (Continued)

1000685901

FINDS:

Registry ID: 110002872614

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.

10
ESE
1/8-1/4
0.135 mi.
714 ft.

891 BAKER ST
COSTA MESA, CA 92626

EDR US Hist Cleaners 1015103373
N/A

Relative:
Lower

EDR Historical Cleaners:

Name: PALI CLEANERS & TUX RENTAL
Year: 1999
Address: 891 BAKER ST

Actual:
37 ft.

Name: PALI CLEANERS & TUX RENTAL
Year: 2001
Address: 891 BAKER ST

Name: PALI CLEANERS & TUX RENTAL
Year: 2002
Address: 891 BAKER ST

Name: R CLEANERS 2
Year: 2011
Address: 891 BAKER ST

Name: R CLEANERS 2
Year: 2012
Address: 891 BAKER ST

11
WNW
1/8-1/4
0.193 mi.
1019 ft.

900 VAN NESS CT
COSTA MESA, CA 92626

EDR US Hist Cleaners 1015104148
N/A

Relative:
Higher

EDR Historical Cleaners:

Name: FIRST CLASS CLEANERS
Year: 2001
Address: 900 VAN NESS CT

Actual:
40 ft.

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

B12 **COSTA MESA FIRE DEPT**
East **800 BAKER**
1/4-1/2 **COSTA MESA, CA 92626**
0.360 mi.
1903 ft. **Site 1 of 3 in cluster B**

LUST **S101631291**
CA FID UST **N/A**

Relative:
Lower

LUST:

Actual:
38 ft.

Region: STATE
Global Id: T0605900480
Latitude: 33.680689
Longitude: -117.889858
Case Type: Not reported
Status: Completed - Case Closed
Status Date: 08/07/1987
Lead Agency: Not reported
Case Worker: DB
Local Agency: Not reported
RB Case Number: 083000596T
LOC Case Number: Not reported
File Location: Local Agency
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Diesel
Site History: Not reported

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

Contact:

Global Id: T0605900480
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: vjahn-bull@waterboards.ca.gov
Phone Number: 9517824903

Global Id: T0605900480
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

Status History:

Global Id: T0605900480
Status: Completed - Case Closed
Status Date: 08/07/1987

Global Id: T0605900480
Status: Open - Case Begin Date
Status Date: 08/07/1987

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 87UT133
Current Status: Certification (Case Closed)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTA MESA FIRE DEPT (Continued)

S101631291

Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 08/07/1987
Case Type: Undetermined
Record ID: RO0001803

LUST REG 8:

Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083000596T
Local Case Num: 87UT133
Case Type: Undefined
Substance: Diesel
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605900480
How Stopped Date: 9/9/9999
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 1/1/1965
Enforcement Date: Not reported
Close Date: 8/7/1987
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.6802436
Longitude: -117.881414
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
MTBE Class: *
Staff: VJJ
Staff Initials: AR
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTA MESA FIRE DEPT (Continued)

S101631291

Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

CA FID UST:

Facility ID: 30000685
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146427952
Mail To: Not reported
Mailing Address: 77 FAIR DRIVE P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: COSTA MESA 92626
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

B13
East
1/4-1/2
0.361 mi.
1907 ft.

RUSSELL PROPERTY
2972 CENTURY
COSTA MESA, CA 92626
Site 2 of 3 in cluster B

LUST 1000379661
N/A

Relative:
Lower

LUST:

Actual:
38 ft.

Region: STATE
Global Id: T0605901235
Latitude: 33.6795695
Longitude: -117.8893732
Case Type: Not reported
Status: Completed - Case Closed
Status Date: 09/15/1997
Lead Agency: Not reported
Case Worker: DB
Local Agency: Not reported
RB Case Number: 083001627T
LOC Case Number: Not reported
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating, Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605901235
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUSSELL PROPERTY (Continued)

1000379661

Email: vjahn-bull@waterboards.ca.gov
Phone Number: 9517824903

Global Id: T0605901235
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

Status History:

Global Id: T0605901235
Status: Completed - Case Closed
Status Date: 09/15/1997

Global Id: T0605901235
Status: Open - Case Begin Date
Status Date: 08/06/1990

Regulatory Activities:

Global Id: T0605901235
Action Type: Other
Date: 08/06/1990
Action: Leak Reported

Global Id: T0605901235
Action Type: Other
Date: 08/06/1990
Action: Leak Discovery

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 90UT193
Current Status: Certification (Case Closed)
Released Substance: Waste oil/Used oil
Date Closed: 09/15/1997
Case Type: Other Ground Water
Record ID: RO0001530

Region: ORANGE
Facility Id: 90UT193
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 09/15/1997
Case Type: Other Ground Water
Record ID: RO0001530

LUST REG 8:

Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUSSELL PROPERTY (Continued)

1000379661

Case Number:	083001627T
Local Case Num:	90UT193
Case Type:	Other ground water affected
Substance:	12035,800661
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901235
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	8/6/1990
Enforcement Date:	Not reported
Close Date:	9/15/1997
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6795695
Longitude:	-117.8893732
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	AR
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

B14 **RUSSEL PROPERTY /CUSTOM M**
East **2972**
1/4-1/2 **COSTA MESA, CA 92626**
0.361 mi.
1907 ft. **Site 3 of 3 in cluster B**

HIST CORTESE **S102428549**
N/A

Relative: HIST CORTESE:
Lower Region: CORTESE
 Facility County Code: 30
Actual: Reg By: LTNKA
38 ft. Reg Id: 083001627T

15 **ADEPT MFG**
West **2990 GRACE**
1/4-1/2 **COSTA MESA, CA 92626**
0.392 mi.
2068 ft.

LUST **S106447499**
N/A

Relative: LUST:
Higher Region: STATE
 Global Id: T0605900016
Actual: Latitude: 33.6799904
42 ft. Longitude: -117.9024996
 Case Type: Not reported
 Status: Completed - Case Closed
 Status Date: 08/24/2005
 Lead Agency: Not reported
 Case Worker: DB
 Local Agency: Not reported
 RB Case Number: 083000019T
 LOC Case Number: Not reported
 File Location: Local Agency Warehouse
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

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

Contact:
 Global Id: T0605900016
 Contact Type: Regional Board Caseworker
 Contact Name: VALERIE JAHN-BULL
 Organization Name: SANTA ANA RWQCB (REGION 8)
 Address: 3737 MAIN STREET, SUITE 500
 City: RIVERSIDE
 Email: vjahn-bull@waterboards.ca.gov
 Phone Number: 9517824903

Global Id: T0605900016
 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

Status History:
 Global Id: T0605900016
 Status: Completed - Case Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADEPT MFG (Continued)

S106447499

Status Date: 08/24/2005

Global Id: T0605900016
Status: Open - Case Begin Date
Status Date: 01/12/1987

Global Id: T0605900016
Status: Open - Remediation
Status Date: 09/18/1987

Global Id: T0605900016
Status: Open - Verification Monitoring
Status Date: 03/31/2005

Regulatory Activities:

Global Id: T0605900016
Action Type: ENFORCEMENT
Date: 03/09/2005
Action: Staff Letter

Global Id: T0605900016
Action Type: Other
Date: 01/12/1987
Action: Leak Reported

Global Id: T0605900016
Action Type: Other
Date: 01/12/1987
Action: Leak Discovery

Global Id: T0605900016
Action Type: ENFORCEMENT
Date: 08/24/2005
Action: Closure/No Further Action Letter

Global Id: T0605900016
Action Type: ENFORCEMENT
Date: 01/14/1987
Action: Notice of Responsibility

Global Id: T0605900016
Action Type: ENFORCEMENT
Date: 02/05/2003
Action: Staff Letter

Global Id: T0605900016
Action Type: ENFORCEMENT
Date: 04/07/2005
Action: Staff Letter

Global Id: T0605900016
Action Type: REMEDIATION
Date: 12/04/1997
Action: Soil Vapor Extraction (SVE)

Global Id: T0605900016
Action Type: REMEDIATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADEPT MFG (Continued)

S106447499

Date: 09/18/1987
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605900016
Action Type: REMEDIATION
Date: 09/18/1997
Action: Excavation

Global Id: T0605900016
Action Type: REMEDIATION
Date: 03/25/2004
Action: Other (Use Description Field)

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 87UT004
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 08/24/2005
Case Type: Other Ground Water
Record ID: RO0000924

LUST REG 8:

Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Remedial action (cleanup) Underway
Case Number: 083000019T
Local Case Num: 87UT004
Case Type: Other ground water affected
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: SEL
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Tank
Global ID: T0605900016
How Stopped Date: 9/9/9999
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 1/12/1987
Enforcement Date: Not reported
Close Date: Not reported
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: 9/18/1987
Date Post Remedial Action Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: =

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ADEPT MFG (Continued)

S106447499

Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6799904
Longitude:	-117.9024996
MTBE Date:	4/14/2004
Max MTBE GW:	31
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	VJJ
Staff Initials:	AR
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

**C16
 SW
 1/4-1/2
 0.405 mi.
 2140 ft.**

**YOUR NEIGHBORHOOD GAS STATION
 1045 EL CAMINO DRIVE
 COSTA MESA, CA 92692
 Site 1 of 3 in cluster C**

**LUST S106387353
 N/A**

**Relative:
 Higher**

LUST REG 8:

**Actual:
 44 ft.**

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	Not reported
Local Case Num:	04UT009
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Tank
Global ID:	T0605964289
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	1/21/2004
Date Preliminary Assessment Began:	Not reported
Discover Date:	1/21/2004
Enforcement Date:	Not reported
Close Date:	7/7/2004
Date Prelim Assessment Workplan Submitted:	5/6/2004

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

YOUR NEIGHBORHOOD GAS STATION (Continued)

S106387353

Date Pollution Characterization Began:	6/10/2004
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	0
Longitude:	0
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	54000
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	Not reported
Staff Initials:	AR
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

C17
SW
 1/4-1/2
 0.405 mi.
 2140 ft.

FORMER GAS STATION
1045 EL CAMINO DR
COSTA MESA, CA 92626
Site 2 of 3 in cluster C

Orange Co. Industrial Site
HIST CORTESE

LUST **S101299436**
N/A

Relative:
Higher

LUST:
 Region: STATE
 Global Id: T0605901271
 Latitude: 33.675474
 Longitude: -117.900577
 Case Type: Not reported
 Status: Completed - Case Closed
 Status Date: 06/27/1996
 Lead Agency: Not reported
 Case Worker: DB
 Local Agency: Not reported
 RB Case Number: 083001685T
 LOC Case Number: Not reported
 File Location: Local Agency
 Potential Media Affect: Other Groundwater (uses other than drinking water)
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating, Gasoline
 Site History: Not reported

Actual:
44 ft.

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

Contact:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GAS STATION (Continued)

S101299436

Global Id: T0605901271
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: T0605901271
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: vjahn-bull@waterboards.ca.gov
Phone Number: 9517824903

Status History:

Global Id: T0605901271
Status: Completed - Case Closed
Status Date: 06/27/1996

Global Id: T0605901271
Status: Open - Case Begin Date
Status Date: 10/10/1990

Regulatory Activities:

Global Id: T0605901271
Action Type: Other
Date: 10/10/1990
Action: Leak Reported

Global Id: T0605901271
Action Type: Other
Date: 10/10/1990
Action: Leak Discovery

Global Id: T0605901271
Action Type: REMEDIATION
Date: 12/01/1991
Action: Other (Use Description Field)

Global Id: T0605901271
Action Type: ENFORCEMENT
Date: 06/27/1996
Action: Closure/No Further Action Letter

Region: STATE
Global Id: T0605964289
Latitude: 33.675525
Longitude: -117.900639
Case Type: Not reported
Status: Completed - Case Closed
Status Date: 07/07/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GAS STATION (Continued)

S101299436

Lead Agency: Not reported
Case Worker: DB
Local Agency: Not reported
RB Case Number: Not reported
LOC Case Number: Not reported
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605964289
Contact Type: Regional Board Caseworker
Contact Name: Ken Williams
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: kwilliams@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0605964289
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

Status History:

Global Id: T0605964289
Status: Completed - Case Closed
Status Date: 07/07/2004

Global Id: T0605964289
Status: Open - Case Begin Date
Status Date: 01/21/2004

Global Id: T0605964289
Status: Open - Site Assessment
Status Date: 01/21/2004

Global Id: T0605964289
Status: Open - Site Assessment
Status Date: 05/06/2004

Global Id: T0605964289
Status: Open - Site Assessment
Status Date: 06/10/2004

Regulatory Activities:

Global Id: T0605964289
Action Type: ENFORCEMENT
Date: 07/08/2004
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER GAS STATION (Continued)

S101299436

Global Id: T0605964289
Action Type: Other
Date: 03/01/2004
Action: Leak Reported

Global Id: T0605964289
Action Type: Other
Date: 01/21/2004
Action: Leak Discovery

Global Id: T0605964289
Action Type: ENFORCEMENT
Date: 08/27/2004
Action: Closure/No Further Action Letter

Global Id: T0605964289
Action Type: ENFORCEMENT
Date: 03/05/2004
Action: Notice of Responsibility

Global Id: T0605964289
Action Type: ENFORCEMENT
Date: 05/14/2004
Action: Staff Letter

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 90UT229
Current Status: Certification (Case Closed)
Released Substance: Waste oil/Used oil
Date Closed: 06/27/1996
Case Type: Other Ground Water
Record ID: RO0002463

Region: ORANGE
Facility Id: 04UT009
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 08/27/2004
Case Type: Soil Only
Record ID: RO0003287

Region: ORANGE
Facility Id: 90UT229
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 06/27/1996
Case Type: Other Ground Water
Record ID: RO0002463

Orange Co. Industrial Site:

Case ID: 05IC017
Region: ORANGE
Record ID: RO0003356
Current Status: CLOSED,11/17/2005

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FORMER GAS STATION (Continued)

S101299436

Closure Type: Closure certification issued
 Released Chemical: GASOLINE

HIST CORTESE:

Region: CORTESE
 Facility County Code: 30
 Reg By: LTNKA
 Reg Id: 083001685T

**C18
 SW
 1/4-1/2
 0.408 mi.
 2155 ft.**

**EL CAMINO AUTO SERVICES
 1045 EL CAMINO
 COSTA MESA, CA 92626**

**LUST
 SWEEPS UST
 CA FID UST**

**S101589044
 N/A**

Site 3 of 3 in cluster C

**Relative:
 Higher**

LUST REG 8:

Region: 8
 County: Orange
 Regional Board: Santa Ana Region
 Facility Status: Case Closed
 Case Number: 083001685T
 Local Case Num: 90UT229
 Case Type: Other ground water affected
 Substance: 12035,800661
 Qty Leaked: 0
 Abate Method: Not reported
 Cross Street: Not reported
 Enf Type: Not reported
 Funding: Not reported
 How Discovered: Tank Closure
 How Stopped: Close Tank
 Leak Cause: Unknown
 Leak Source: Unknown
 Global ID: T0605901271
 How Stopped Date: 9/9/9999
 Enter Date: Not reported
 Date Confirmation of Leak Began: Not reported
 Date Preliminary Assessment Began: Not reported
 Discover Date: 10/10/1990
 Enforcement Date: Not reported
 Close Date: 6/27/1996
 Date Prelim Assessment Workplan Submitted: Not reported
 Date Pollution Characterization Began: Not reported
 Date Remediation Plan Submitted: Not reported
 Date Remedial Action Underway: Not reported
 Date Post Remedial Action Monitoring: Not reported
 Enter Date: Not reported
 GW Qualifies: Not reported
 Soil Qualifies: Not reported
 Operator: Not reported
 Facility Contact: Not reported
 Interim: Not reported
 Oversight Program: LUST
 Latitude: 33.6756876
 Longitude: -117.9009085
 MTBE Date: Not reported
 Max MTBE GW: Not reported

**Actual:
 44 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EL CAMINO AUTO SERVICES (Continued)

S101589044

MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
MTBE Class: *
Staff: VJJ
Staff Initials: AR
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

SWEEPS UST:

Status: Active
Comp Number: 13478
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: 30-000-013478-000001
Tank Status: A
Capacity: Not reported
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 13478
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: 30-000-013478-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13478
Number: 9
Board Of Equalization: Not reported
Referral Date: 09-30-92
Action Date: 09-15-92

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EL CAMINO AUTO SERVICES (Continued)

S101589044

Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-013478-000004
Tank Status: A
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13478
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: 30-000-013478-000005
Tank Status: A
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 30001091
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146625904
Mail To: Not reported
Mailing Address: 2140 S MAIN ST
Mailing Address 2: Not reported
Mailing City,St,Zip: COSTA MESA 92626
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

19
West
1/4-1/2
0.447 mi.
2362 ft.

SULLIVAN CONCRETE TEXTILES
1111 BAKER ST
COSTA MESA, CA 92626

LUST S101619631
CA FID UST N/A
EMI
HIST CORTESE

Relative:
Higher
Actual:
42 ft.

LUST:
Region: STATE
Global Id: T0605902128
Latitude: 33.6800414

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SULLIVAN CONCRETE TEXTILES (Continued)

S101619631

Longitude: -117.9043816
Case Type: Not reported
Status: Completed - Case Closed
Status Date: 11/16/2012
Lead Agency: Not reported
Case Worker: DB
Local Agency: Not reported
RB Case Number: 083003123T
LOC Case Number: Not reported
File Location: Local Agency
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.

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

Contact:

Global Id: T0605902128
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: cbernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0605902128
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

Status History:

Global Id: T0605902128
Status: Completed - Case Closed
Status Date: 11/16/2012

Global Id: T0605902128
Status: Open - Case Begin Date
Status Date: 01/05/1998

Global Id: T0605902128
Status: Open - Remediation
Status Date: 10/31/2008

Global Id: T0605902128
Status: Open - Site Assessment
Status Date: 10/02/1998

Global Id: T0605902128
Status: Open - Verification Monitoring

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SULLIVAN CONCRETE TEXTILES (Continued)

S101619631

Status Date: 11/24/2010

Regulatory Activities:

Global Id: T0605902128
Action Type: ENFORCEMENT
Date: 06/01/2011
Action: Staff Letter

Global Id: T0605902128
Action Type: ENFORCEMENT
Date: 11/16/2012
Action: Closure/No Further Action Letter

Global Id: T0605902128
Action Type: RESPONSE
Date: 04/18/2012
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0605902128
Action Type: REMEDIATION
Date: 05/03/2010
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605902128
Action Type: REMEDIATION
Date: 02/11/2008
Action: Pump & Treat (P&T) Groundwater

Global Id: T0605902128
Action Type: REMEDIATION
Date: 03/12/2007
Action: Soil Vapor Extraction (SVE)

Global Id: T0605902128
Action Type: ENFORCEMENT
Date: 01/09/2009
Action: Staff Letter

Global Id: T0605902128
Action Type: ENFORCEMENT
Date: 07/13/2009
Action: Staff Letter

Global Id: T0605902128
Action Type: ENFORCEMENT
Date: 12/08/2010
Action: Staff Letter

Global Id: T0605902128
Action Type: ENFORCEMENT
Date: 05/27/2011
Action: File review

Global Id: T0605902128
Action Type: ENFORCEMENT
Date: 08/31/2012
Action: Notification - Preclosure

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SULLIVAN CONCRETE TEXTILES (Continued)

S101619631

Global Id:	T0605902128
Action Type:	ENFORCEMENT
Date:	08/31/2012
Action:	Notification - Preclosure
Global Id:	T0605902128
Action Type:	ENFORCEMENT
Date:	08/31/2012
Action:	Notification - Preclosure
Global Id:	T0605902128
Action Type:	ENFORCEMENT
Date:	06/10/2010
Action:	Staff Letter
Global Id:	T0605902128
Action Type:	RESPONSE
Date:	05/14/2010
Action:	Clean Up Fund - 5-Year Review Summary
Global Id:	T0605902128
Action Type:	ENFORCEMENT
Date:	08/31/2012
Action:	Notification - Preclosure
Global Id:	T0605902128
Action Type:	ENFORCEMENT
Date:	10/02/2012
Action:	Staff Letter
Global Id:	T0605902128
Action Type:	ENFORCEMENT
Date:	10/31/2008
Action:	Staff Letter
Global Id:	T0605902128
Action Type:	Other
Date:	01/05/1998
Action:	Leak Reported
Global Id:	T0605902128
Action Type:	ENFORCEMENT
Date:	04/21/2009
Action:	Staff Letter
Global Id:	T0605902128
Action Type:	ENFORCEMENT
Date:	11/23/2009
Action:	Staff Letter
Global Id:	T0605902128
Action Type:	ENFORCEMENT
Date:	06/21/2010
Action:	Staff Letter
Global Id:	T0605902128
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SULLIVAN CONCRETE TEXTILES (Continued)

S101619631

Date: 02/15/2011
Action: Staff Letter

Global Id: T0605902128
Action Type: Other
Date: 01/05/1998
Action: Leak Discovery

Global Id: T0605902128
Action Type: ENFORCEMENT
Date: 01/29/1998
Action: Notice of Responsibility

Global Id: T0605902128
Action Type: ENFORCEMENT
Date: 05/07/2003
Action: Staff Letter

Global Id: T0605902128
Action Type: ENFORCEMENT
Date: 05/23/2007
Action: Staff Letter

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 98UT004
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 11/16/2012
Case Type: Other Ground Water
Record ID: RO0000771

LUST REG 8:

Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Pollution Characterization
Case Number: 083003123T
Local Case Num: 98UT004
Case Type: Other ground water affected
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: SEL
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Tank
Global ID: T0605902128
How Stopped Date: 9/9/9999
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SULLIVAN CONCRETE TEXTILES (Continued)

S101619631

Discover Date: 1/5/1998
Enforcement Date: Not reported
Close Date: Not reported
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: 10/2/1998
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: =
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.6800414
Longitude: -117.9043816
MTBE Date: 7/19/2004
Max MTBE GW: 37000
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class: *
Staff: CAB
Staff Initials: AR
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

CA FID UST:

Facility ID: 30017596
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145567633
Mail To: Not reported
Mailing Address: 1111 BAKER
Mailing Address 2: Not reported
Mailing City,St,Zip: COSTA MESA 92626
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:

Year: 1990

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SULLIVAN CONCRETE TEXTILES (Continued)

S101619631

County Code: 30
 Air Basin: SC
 Facility ID: 77865
 Air District Name: SC
 SIC Code: 7699
 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 & Smllr Tons/Yr: 0

HIST CORTESE:

Region: CORTESE
 Facility County Code: 30
 Reg By: LTNKA
 Reg Id: 083003123T

Region: CORTESE
 Facility County Code: 30
 Reg By: LTNKA
 Reg Id: 083000696T

D20
East
1/4-1/2
0.450 mi.
2374 ft.

THRIFTY OIL STN #151
751 BAKER ST
COSTA MESA, CA 92626

LUST **U003913318**
UST **N/A**

Site 1 of 2 in cluster D

Relative:
Higher

LUST:

Region: STATE
 Global Id: T0605900509
 Latitude: 33.6799485
 Longitude: -117.8879312
 Case Type: Not reported
 Status: Open - Remediation
 Status Date: 12/11/2006
 Lead Agency: Not reported
 Case Worker: DB
 Local Agency: Not reported
 RB Case Number: 083000637T
 LOC Case Number: Not reported
 File Location: Local Agency
 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.

Actual:
43 ft.

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

Contact:

Global Id: T0605900509

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY OIL STN #151 (Continued)

U003913318

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: T0605900509
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: vjahn-bull@waterboards.ca.gov
Phone Number: 9517824903

Status History:

Global Id: T0605900509
Status: Open - Case Begin Date
Status Date: 12/10/1985

Global Id: T0605900509
Status: Open - Remediation
Status Date: 04/25/2001

Global Id: T0605900509
Status: Open - Remediation
Status Date: 12/11/2006

Regulatory Activities:

Global Id: T0605900509
Action Type: ENFORCEMENT
Date: 02/09/2011
Action: Staff Letter

Global Id: T0605900509
Action Type: RESPONSE
Date: 04/18/2012
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0605900509
Action Type: REMEDIATION
Date: 07/31/2006
Action: Other (Use Description Field)

Global Id: T0605900509
Action Type: Other
Date: 12/10/1985
Action: Leak Reported

Global Id: T0605900509
Action Type: ENFORCEMENT
Date: 01/22/2013
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY OIL STN #151 (Continued)

U003913318

Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	09/21/2004
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	02/04/1986
Action:	Notice of Responsibility
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	10/03/2003
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	11/18/2003
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	05/25/2004
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	12/11/2006
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	11/21/2006
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	09/28/2011
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	05/20/2009
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	09/05/2014
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	06/21/2010
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY OIL STN #151 (Continued)

U003913318

Date:	04/13/2011
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	05/05/2011
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	11/05/2012
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	11/23/2009
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	08/09/2011
Action:	File review
Global Id:	T0605900509
Action Type:	RESPONSE
Date:	10/04/2012
Action:	Monitoring Report - Quarterly - Regulator Responded
Global Id:	T0605900509
Action Type:	RESPONSE
Date:	01/15/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0605900509
Action Type:	RESPONSE
Date:	05/02/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0605900509
Action Type:	Other
Date:	12/10/1985
Action:	Leak Discovery
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	07/13/2009
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	RESPONSE
Date:	01/16/2015
Action:	Site Investigation Workplan - Regulator Responded
Global Id:	T0605900509
Action Type:	RESPONSE
Date:	11/14/2014
Action:	Soil and Water Investigation Workplan - Regulator Responded

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY OIL STN #151 (Continued)

U003913318

Global Id:	T0605900509
Action Type:	REMEDIATION
Date:	06/28/1995
Action:	Free Product Removal
Global Id:	T0605900509
Action Type:	REMEDIATION
Date:	04/25/2001
Action:	Dual Phase Extraction
Global Id:	T0605900509
Action Type:	REMEDIATION
Date:	08/12/1998
Action:	Excavation
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	08/01/2003
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	07/27/2005
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	08/20/2007
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	ENFORCEMENT
Date:	06/01/2011
Action:	Staff Letter
Global Id:	T0605900509
Action Type:	RESPONSE
Date:	04/03/2010
Action:	Clean Up Fund - 5-Year Review Summary

ORANGE CO. LUST:

Region:	ORANGE
Facility Id:	85UT131
Current Status:	Post Remedial Action
Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed:	Not reported
Case Type:	Other Ground Water
Record ID:	RO0001224

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Remedial action (cleanup) Underway
Case Number:	083000637T

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY OIL STN #151 (Continued)

U003913318

Local Case Num:	85UT131
Case Type:	Other ground water affected
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	EDFNL
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	New Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605900509
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	12/10/1985
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	4/25/2001
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6799485
Longitude:	-117.8879312
MTBE Date:	12/19/2001
Max MTBE GW:	265000
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	VJJ
Staff Initials:	AR
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

UST:

Facility ID:	6374
Permitting Agency:	ORANGE COUNTY
Latitude:	33.67975108
Longitude:	-117.887898

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY OIL STN #151 (Continued)

U003913318

ORANGE CO. UST:
Facility ID: FA0059685

D21
East
1/4-1/2
0.450 mi.
2374 ft.

THRIFTY OIL #151
751
COSTA MESA, CA 92626

CA FID UST **U002096379**
HIST CORTESE **N/A**

Site 2 of 2 in cluster D

Relative:
Higher

CA FID UST:
Facility ID: 30000674
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7147549654
Mail To: Not reported
Mailing Address: 10000 LAKEWOOD BLVD ATTN:
Mailing Address 2: Not reported
Mailing City,St,Zip: COSTA MESA 92626
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
43 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000637T

E22
East
1/4-1/2
0.465 mi.
2456 ft.

FLINTRIDGE LANDSCAPE CO
2973 RANDOLPH AVE
COSTA MESA, CA 92626

LUST **U001576803**
UST **N/A**
SWEEPS UST
HIST UST
HIST CORTESE

Site 1 of 2 in cluster E

Relative:
Higher

LUST:
Region: STATE
Global Id: T0605901002
Latitude: 33.6789956
Longitude: -117.8879482
Case Type: Not reported
Status: Completed - Case Closed
Status Date: 11/29/1990
Lead Agency: Not reported
Case Worker: DB
Local Agency: Not reported
RB Case Number: 083001310T
LOC Case Number: Not reported
File Location: Local Agency
Potential Media Affect: Soil

Actual:
42 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLINTRIDGE LANDSCAPE CO (Continued)

U001576803

Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605901002
Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: phannon@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0605901002
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

Status History:

Global Id: T0605901002
Status: Completed - Case Closed
Status Date: 11/29/1990

Global Id: T0605901002
Status: Open - Case Begin Date
Status Date: 06/22/1989

Regulatory Activities:

Global Id: T0605901002
Action Type: Other
Date: 06/22/1989
Action: Leak Reported

Global Id: T0605901002
Action Type: Other
Date: 06/22/1989
Action: Leak Discovery

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 89UT133
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 11/29/1990
Case Type: Soil Only
Record ID: RO0002318

LUST REG 8:

Region: 8

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLINTRIDGE LANDSCAPE CO (Continued)

U001576803

County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083001310T
Local Case Num:	89UT133
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901002
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	6/22/1989
Enforcement Date:	Not reported
Close Date:	11/29/1990
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6789956
Longitude:	-117.8879482
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE. Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	PAH
Staff Initials:	AR
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLINTRIDGE LANDSCAPE CO (Continued)

U001576803

UST:

Facility ID: 6411
Permitting Agency: ORANGE COUNTY
Latitude: 33.6805484
Longitude: -117.8867714

SWEEPS UST:

Status: Not reported
Comp Number: 6411
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006411-000001
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: 6411
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-000-006411-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 6411
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: 30-000-006411-000003
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLINTRIDGE LANDSCAPE CO (Continued)

U001576803

Number Of Tanks: 1

HIST UST:

Region: STATE
Facility ID: 00000051317
Facility Type: Other
Other Type: CONTRACTOR
Contact Name: WILLIAM PATRICK
Telephone: 7145460791
Owner Name: FLINTRIDGE LANDSCAPE COMPANY
Owner Address: 2973 RANDOLPH AVENUE
Owner City,St,Zip: COSTA MESA, CA 92626
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083001310T

E23
East
1/4-1/2
0.468 mi.
2472 ft.

EXOTIC MATERIAL INC
2968 RANDOLPH AVE
COSTA MESA, CA 92626
Site 2 of 2 in cluster E

CERC-NFRAP 1000411418
RCRA NonGen / NLR CAD008339988
ICIS
FINDS

Relative:
Higher

CERC-NFRAP:
Site ID: 0901066
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
42 ft.

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13288757.00000
Person ID: 13003854.00000

Contact Sequence ID: 13294352.00000
Person ID: 13003858.00000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXOTIC MATERIAL INC (Continued)

1000411418

Contact Sequence ID: 13300210.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT
Date Started: 01/01/85
Date Completed: 12/01/87
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 12/01/87
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 02/01/81
Priority Level: Not reported

RCRA NonGen / NLR:

Date form received by agency: 01/29/1981
Facility name: EXOTIC MATERIAL INC
Facility address: 2968 RANDOLPH AVE
COSTA MESA, CA 92626
EPA ID: CAD008339988
Mailing address: 2968 RANDOLPH ST
COSTA MESA, CA 92626
Contact: ENVIRONMENTAL MANAGER
Contact address: 2968 RANDOLPH AVE
COSTA MESA, CA 92626
Contact country: US
Contact telephone: (714) 545-9425
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: EXOTIC MATERIALS INC.
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
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
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXOTIC MATERIAL INC (Continued)

1000411418

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

ICIS:

Enforcement Action ID: 08-1990-0106
FRS ID: 110002632802
Program ID: RCRAINFO CAD008339988
Action Name: EXOTIC MATERIALS INC
Full Address: 2968 RANDOLPH AVE COSTA MESA CA 92626
State: California
Facility Name: EXOTIC MATERIAL INC
Facility Address: 2968 RANDOLPH AVE
COSTA MESA, CA 92626
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: ORANGE
EPA Region #: 8

Enforcement Action ID: 08-1990-0106
FRS ID: 110002632802
Program ID: FRS 110002632802
Action Name: EXOTIC MATERIALS INC
Full Address: 2968 RANDOLPH AVE COSTA MESA CA 92626
State: California
Facility Name: EXOTIC MATERIAL INC
Facility Address: 2968 RANDOLPH AVE
COSTA MESA, CA 92626
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: ORANGE
EPA Region #: 8

Program ID: FRS 110002632802
Facility Name: EXOTIC MATERIAL INC
Address: 2968 RANDOLPH AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3662

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EXOTIC MATERIAL INC (Continued)

1000411418

Program ID: RCRAINFO CAD008339988
 Facility Name: EXOTIC MATERIAL INC
 Address: 2968 RANDOLPH AVE
 Tribal Indicator: N
 Fed Facility: No
 NAIC Code: Not reported
 SIC Code: 3662

FINDS:

Registry ID: 110002632802

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.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

F24
ESE
1/4-1/2
0.473 mi.
2498 ft.

GRAHAM BROTHERS
2956 RANDOLPH
COSTA MESA, CA 92626

LUST **S101589387**
CA FID UST **N/A**

Site 1 of 2 in cluster F

Relative:
Higher

ORANGE CO. LUST:

Region: ORANGE
 Facility Id: 94UT065
 Current Status: Certification (Case Closed)
 Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
 Date Closed: 09/06/1995
 Case Type: Soil Only
 Record ID: RO0002573

Actual:
41 ft.

Region: ORANGE
 Facility Id: 94UT065
 Current Status: Certification (Case Closed)
 Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
 Date Closed: 09/06/1995
 Case Type: Soil Only

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAHAM BROTHERS (Continued)

S101589387

Record ID: RO0002573

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002611T
Local Case Num:	94UT065
Case Type:	Soil only
Substance:	12034,800661
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901820
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	12/7/1994
Enforcement Date:	Not reported
Close Date:	9/6/1995
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6783386
Longitude:	-117.8876942
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	CAB
Staff Initials:	AR
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRAHAM BROTHERS (Continued)

S101589387

Work Suspended: Not reported
Summary: Not reported

CA FID UST:

Facility ID: 30009841
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145461653
Mail To: Not reported
Mailing Address: 2952 CENTURY PL
Mailing Address 2: Not reported
Mailing City,St,Zip: COSTA MESA 92626
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

**F25
ESE
1/4-1/2
0.473 mi.
2498 ft.**

**SO COAST IMPORT AUTO BODY
2956 RANDOLPH AVE
COSTA MESA, CA 92626
Site 2 of 2 in cluster F**

**LUST 1000178588
RCRA NonGen / NLR CAD982492480
FINDS
HAZNET
HIST CORTESE**

**Relative:
Higher**

LUST:
Region: STATE
Global Id: T0605901820
Latitude: 33.678686
Longitude: -117.887268
Case Type: Not reported
Status: Completed - Case Closed
Status Date: 09/06/1995
Lead Agency: Not reported
Case Worker: DB
Local Agency: Not reported
RB Case Number: 083002611T
LOC Case Number: Not reported
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Not reported

**Actual:
41 ft.**

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

Contact:
Global Id: T0605901820
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: cbernhardt@waterboards.ca.gov
Phone Number: 9517824495

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO COAST IMPORT AUTO BODY (Continued)

1000178588

Global Id: T0605901820
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

Status History:

Global Id: T0605901820
Status: Completed - Case Closed
Status Date: 09/06/1995

Global Id: T0605901820
Status: Open - Case Begin Date
Status Date: 12/07/1994

Regulatory Activities:

Global Id: T0605901820
Action Type: Other
Date: 12/07/1994
Action: Leak Reported

Global Id: T0605901820
Action Type: Other
Date: 12/07/1994
Action: Leak Discovery

RCRA NonGen / NLR:

Date form received by agency: 04/13/1998
Facility name: SO COAST IMPORT AUTO BODY
Facility address: 2956 RANDOLPH AVE
COSTA MESA, CA 92626
EPA ID: CAD982492480
Contact: EDWIN CONSTELLANOS
Contact address: 2956 RANDOLPH AVE
COSTA MESA, CA 92626
Contact country: US
Contact telephone: (714) 241-0600
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: THEODORO CASTELLANOS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO COAST IMPORT AUTO BODY (Continued)

1000178588

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

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 09/01/1996
Site name: SO COAST IMPORT AUTO BODY
Classification: Small Quantity Generator

Date form received by agency: 06/15/1990
Site name: SO COAST IMPORT AUTO BODY
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/23/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002830143

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.

HAZNET:

envid: 1000178588
Year: 1995
GEPaid: CAD982492480
Contact: THEODORO CASTELLANOS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO COAST IMPORT AUTO BODY (Continued)

1000178588

Telephone: 7142410600
Mailing Name: Not reported
Mailing Address: 2956 RANDOLPH AVE
Mailing City, St, Zip: COSTA MESA, CA 926264312
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: .4587
Facility County: Orange

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083002611T

26
West
1/4-1/2
0.488 mi.
2579 ft.

GALLACHER INVESTMENT COMP
1127 BAKER
COSTA MESA, CA 92626

LUST **S104160821**
HIST CORTESE **N/A**

Relative:
Higher

LUST:

Actual:
42 ft.

Region: STATE
Global Id: T0605901048
Latitude: 33.678006
Longitude: -117.90449
Case Type: Not reported
Status: Completed - Case Closed
Status Date: 04/30/1990
Lead Agency: Not reported
Case Worker: DB
Local Agency: Not reported
RB Case Number: 083001388T
LOC Case Number: Not reported
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605901048
Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: phannon@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0605901048
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

GALLACHER INVESTMENT COMP (Continued)

S104160821

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

Status History:

Global Id: T0605901048
Status: Completed - Case Closed
Status Date: 04/30/1990

Global Id: T0605901048
Status: Open - Case Begin Date
Status Date: 11/28/1989

Regulatory Activities:

Global Id: T0605901048
Action Type: Other
Date: 11/28/1989
Action: Leak Reported

Global Id: T0605901048
Action Type: Other
Date: 11/28/1989
Action: Leak Discovery

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 89UT217
Current Status: Certification (Case Closed)
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 04/30/1990
Case Type: Soil Only
Record ID: RO0001887

Region: ORANGE
Facility Id: 89UT217
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 04/30/1990
Case Type: Soil Only
Record ID: RO0001887

LUST REG 8:

Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083001388T
Local Case Num: 89UT217
Case Type: Soil only
Substance: 12034,800661
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GALLACHER INVESTMENT COMP (Continued)

S104160821

Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901048
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/28/1989
Enforcement Date:	Not reported
Close Date:	4/30/1990
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6800374
Longitude:	-117.9049466
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	PAH
Staff Initials:	AR
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	30
Reg By:	LTNKA
Reg Id:	083001388T

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

27
ESE
1/2-1
0.538 mi.
2842 ft.

EXOTIC MATERIAL INC
2930 BRISTOL ST
COSTA MESA, CA 92626

ENVIROSTOR S100200509
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
40 ft.

Facility ID: 30280530
Status: Refer: Other Agency
Status Date: 08/23/1984
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 74
Senate: 37
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.67743
Longitude: -117.8858
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * UNSPECIFIED ACID SOLUTION * UNSPECIFIED OIL CONTAINING WASTE *
UNSPECIFIED SOLVENT MIXTURES
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: DOW CHEMICAL COMPANY (SEAL BEACH)
Alias Type: Alternate Name
Alias Name: PERKIN-ELMER CORP
Alias Type: Alternate Name
Alias Name: CAD008339988
Alias Type: EPA Identification Number
Alias Name: 110002632802
Alias Type: EPA (FRS #)
Alias Name: 30280530
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/12/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/25/1994
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXOTIC MATERIAL INC (Continued)

S100200509

Completed Document Type: Preliminary Assessment Report
Completed Date: 08/23/1984
Comments: FACILITY DRIVE-BY OLD LOCATION: BLDG VACANT. WAREHOUSE W/ OFFICE IN FRONT. NO VISIBLE PROB. CURR LOC: DRUMS STACKD AROUND SMALL METAL STORAGE. NO VISIBLE PROB. CLEAN SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

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

28
ENE
1/2-1
0.599 mi.
3164 ft.

SHELL SERVICE STATION
3045 BRISTOL
COSTA MESA, CA 90220

LUST **S100230416**
Notify 65 **N/A**

Relative:
Lower

LUST:

Actual:
38 ft.

Region: STATE
Global Id: T0605901151
Latitude: 33.6820635
Longitude: -117.8857771
Case Type: Not reported
Status: Completed - Case Closed
Status Date: 05/20/2004
Lead Agency: Not reported
Case Worker: DB
Local Agency: Not reported
RB Case Number: 083001510T
LOC Case Number: Not reported
File Location: Local Agency Warehouse
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:

Global Id: T0605901151
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: cbernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0605901151
Contact Type: Local Agency Caseworker
Contact Name: DENAMARIE BAKER
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD, STE. 120

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S100230416

City: SANTA ANA
Email: dbaker@ochca.com
Phone Number: 7144336255

Status History:

Global Id: T0605901151
Status: Completed - Case Closed
Status Date: 05/20/2004

Global Id: T0605901151
Status: Open - Case Begin Date
Status Date: 04/25/1990

Global Id: T0605901151
Status: Open - Verification Monitoring
Status Date: 08/01/2002

Regulatory Activities:

Global Id: T0605901151
Action Type: ENFORCEMENT
Date: 04/16/2003
Action: Staff Letter

Global Id: T0605901151
Action Type: ENFORCEMENT
Date: 08/18/2003
Action: Staff Letter

Global Id: T0605901151
Action Type: ENFORCEMENT
Date: 09/15/2004
Action: Closure/No Further Action Letter

Global Id: T0605901151
Action Type: Other
Date: 05/03/1990
Action: Leak Reported

Global Id: T0605901151
Action Type: ENFORCEMENT
Date: 05/09/1990
Action: Notice of Responsibility

Global Id: T0605901151
Action Type: Other
Date: 04/25/1990
Action: Leak Discovery

Global Id: T0605901151
Action Type: REMEDIATION
Date: 07/09/1991
Action: Excavation

Global Id: T0605901151
Action Type: REMEDIATION
Date: 06/01/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S100230416

Action: Excavation

ORANGE CO. LUST:

Region: ORANGE
Facility Id: 90UT120
Current Status: Certification (Case Closed)
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 09/15/2004
Case Type: Other Ground Water
Record ID: RO0002257

LUST REG 8:

Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083001510T
Local Case Num: 90UT120
Case Type: Other ground water affected
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: CLOS
Funding: Not reported
How Discovered: SA
How Stopped: New Tank
Leak Cause: Unknown
Leak Source: Tank
Global ID: T0605901151
How Stopped Date: 9/9/9999
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 4/25/1990
Enforcement Date: Not reported
Close Date: 5/20/2004
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring: 8/1/2002
Enter Date: Not reported
GW Qualifies: =
Soil Qualifies: =
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.6820635
Longitude: -117.8857771
MTBE Date: 1/9/2002
Max MTBE GW: 51
MTBE Concentration: 0
Max MTBE Soil: 6.9

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SHELL SERVICE STATION (Continued)

S100230416

MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	CAB
Staff Initials:	AR
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	90220

29
SSE
1/2-1
0.652 mi.
3441 ft.

COSTA MESA AIR NATIONAL GUARD
S OF PRESIDIO DR & WEST OF NEWPORT BLVD
COSTA MESA, CA 92626

RESPONSE
ENVIROSTOR
HIST Cal-Sites
Cortese

S101481491
N/A

Relative:
Higher

AWP:

Actual:
46 ft.

AWP Facility ID:	30970004
Region Code:	3
Region:	GLENDALE
SMBR Branch Code:	SO
SMBR Branch Unit:	OMF-SOUTHERN CALIF
Site Name.:	Not reported
Current Status Date:	01011995
Current Status:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency Code:	DTSC
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type:	Open military facility
Awp Site Type:	OPEN MILITARY BASE
NPL:	Not Listed
Tier Of AWP Site:	Not reported
Source Of Funding:	Not reported
Responsible Staff Member:	Not reported
Supervisor Responsible:	Not reported
SIC Code:	97
Facility SIC:	NATIONAL SECURITY/INTERNATIONAL AFFAIRS
RWQCB Code:	Not reported
RWQCB Associated With Site:	Not reported
Site Access Controlled:	Not reported
Site Listed HWS List:	Not reported
Hazard Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
# Of Contamination Sources:	0
Lat/Long:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTA MESA AIR NATIONAL GUARD (Continued)

S101481491

Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Description Of Entity: Not reported
State Assembly Distt Code: 68
State Senate District: 35

RESPONSE:

Facility ID: 30970004
Site Type: State Response
Site Type Detail: Open Base
Acres: 8.5
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency Description: * DTSC
Project Manager: Isaac Hirbawi
Supervisor: Manny Alonzo
Division Branch: Cleanup Cypress
Site Code: 400498
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 74
Senate: 37
Special Program Status: DSMOA
Status: Active
Status Date: 06/28/2011
Restricted Use: NO
Funding: DERA
Latitude: 33.67166
Longitude: -117.8888
APN: NONE SPECIFIED
Past Use: BATTERY STORAGE, FUEL - VEHICLE STORAGE/ REFUELING, MAINTENANCE / CLEANING, VEHICLE MAINTENANCE
Potential COC : Arsenic Tetrachloroethylene (PCE Trichloroethylene (TCE Chloroform Cobalt Polynuclear aromatic hydrocarbons (PAHs Selenium
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL, SV
Alias Name: SANTA ANA ARMY BASE (1940S & 50S)
Alias Type: Alternate Name
Alias Name: T0605959838
Alias Type: GeoTracker Global ID
Alias Name: 400498
Alias Type: Project Code (Site Code)
Alias Name: 30970004
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Baseline Survey
Completed Date: 12/16/2002
Comments: BWEBS - SITE 1: In June 2002, the Phase II EBS was submitted presenting the results of the soil and groundwater field investigations. A total of nine areas of concern (AOCs) were identified where potential risks to human health and the environment may exist. These include a battery room floor drain, motor vehicle lift area, fuel storage area, grease rack, oil and water sparator, diesel refueller spill, groundwater sampling, lead-based paint sampling, and hydraulic fluid spill area. Contaminants detected

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTA MESA AIR NATIONAL GUARD (Continued)

S101481491

include petroleum hydrocarbons, volatile organic compounds, and lead-based paint. Also, the extent of contamination was not determined. DTSC submitted comments on August 26, 2002 not concurring with the No Further Action recommendations by the Air Force, and requested additional sampling to be conducted to determine the extent of contamination. The Air Force responded with a final letter on October 8, 2002 finalizing the EBS report and deferring any future actions until a relocation date for the CMANG is known.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/08/1991
Comments: Letter sent to Air National Guard (ANG) stating no concurrence with nfa recommendation & explaining pea process and funding option for DTSC oversight.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 03/04/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date: 08/25/2012
Comments: Final work plan was submitted in August 2012 and field activities are scheduled for September 2012.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date: 05/29/2013
Comments: Draft Final Addendum to the Work Plan for the SSI completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 01/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 04/08/2014
Comments: DTSC submitted comments on the Draft Final SSI report in March 2014. A project meeting was held on March 25, 2014 between DTSC and the AF/ANG to discuss the proposed schedule for the site remediation. The AF/ANG agreed to address the remaining data gaps in the Remedial Investigation Phase.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 07/24/1991
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTA MESA AIR NATIONAL GUARD (Continued)

S101481491

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Public Notice
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Feasibility Study Report
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Fact Sheets
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Plan
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Investigation Report
Future Due Date: 2016
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Facility ID: 30970004
Status: Active
Status Date: 06/28/2011
Site Code: 400498
Site Type: State Response
Site Type Detailed: Open Base
Acres: 8.5
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Isaac Hirbawi
Supervisor: Manny Alonzo
Division Branch: Cleanup Cypress
Assembly: 74
Senate: 37
Special Program: DSMOA
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.67166
Longitude: -117.8888
APN: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTA MESA AIR NATIONAL GUARD (Continued)

S101481491

Past Use: BATTERY STORAGE, FUEL - VEHICLE STORAGE/ REFUELING, MAINTENANCE / CLEANING, VEHICLE MAINTENANCE

Potential COC: Arsenic Tetrachloroethylene (PCE Trichloroethylene (TCE Chloroform Cobalt Polynuclear aromatic hydrocarbons (PAHs Selenium

Confirmed COC: NONE SPECIFIED

Potential Description: OTH, SOIL, SV

Alias Name: SANTA ANA ARMY BASE (1940S & 50S)

Alias Type: Alternate Name

Alias Name: T0605959838

Alias Type: GeoTracker Global ID

Alias Name: 400498

Alias Type: Project Code (Site Code)

Alias Name: 30970004

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Environmental Baseline Survey

Completed Date: 12/16/2002

Comments: BWEBS - SITE 1: In June 2002, the Phase II EBS was submitted presenting the results of the soil and groundwater field investigations. A total of nine areas of concern (AOCs) were identified where potential risks to human health and the environment may exist. These include a battery room floor drain, motor vehicle lift area, fuel storage area, grease rack, oil and water sparator, diesel refueller spill, groundwater sampling, lead-based paint sampling, and hydraulic fluid spill area. Contaminants detected include petroleum hydrocarbons, volatile organic compounds, and lead-based paint. Also, the extent of contamination was not determined. DTSC submitted comments on August 26, 2002 not concurring with the No Further Action recommendations by the Air Force, and requested additional sampling to be conducted to determine the extent of contamination. The Air Force responded with a final letter on October 8, 2002 finalizing the EBS report and deferring any future actions until a relocation date for the CMANG is known.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Site Screening

Completed Date: 08/08/1991

Comments: Letter sent to Air National Guard (ANG) stating no concurr- ance with nfa recommendation & explaining pea process and funding option for DTSC oversight.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Inventory Project Report (INPR)

Completed Date: 03/04/1993

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)

Completed Date: 08/25/2012

Comments: Final work plan was submitted in August 2012 and field activities are scheduled for September 2012.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTA MESA AIR NATIONAL GUARD (Continued)

S101481491

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date: 05/29/2013
Comments: Draft Final Addendum to the Work Plan for the SSI completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 01/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 04/08/2014
Comments: DTSC submitted comments on the Draft Final SSI report in March 2014. A project meeting was held on March 25, 2014 between DTSC and the AF/ANG to discuss the proposed schedule for the site remediation. The AF/ANG agreed to address the remaining data gaps in the Remedial Investigation Phase.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 07/24/1991
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2019
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Public Notice
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2018
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Feasibility Study Report
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Fact Sheets
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Plan
Future Due Date: 2017
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Investigation Report
Future Due Date: 2016
Schedule Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTA MESA AIR NATIONAL GUARD (Continued)

S101481491

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Calsite:

Region: GLENDALE
Facility ID: 30970004
Facility Type: OPEN
Type: OPEN MILITARY BASE
Branch: SO
Branch Name: OMF-SOUTHERN CALIF
File Name: Not reported
State Senate District: 01011995
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 97
SIC Name: NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: Not reported
Supervisor Responsible for Site: Not reported
Region Water Control Board: Not reported
Region Water Control Board Name: Not reported
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 68
State Senate District Code: 35
Facility ID: 30970004
Activity: BWEBS
Activity Name: BASEWIDE ENVIRONMENTAL BASELINE SURVEY
AWP Code: SITE1
Proposed Budget: 0
AWP Completion Date: 12162002
Revised Due Date: Not reported
Comments Date: 12162002
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

COSTA MESA AIR NATIONAL GUARD (Continued)

S101481491

For Residential Reuse:	0
Unknown Type:	0
Facility ID:	30970004
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	08081991
Revised Due Date:	Not reported
Comments Date:	08081991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	S OF PRESIDIO DR & WEST OF NEWPORT BLVD
Alternate City,St,Zip:	COSTA MESA, CA 92626
Background Info:	The Costa Mesa ANG station is an 8.5 acre facility that has been active since 1964. The facility is located on former Santa Ana Army Air Base property. Activities include routine maintenance of vehicles, generators, and various ground equipment. Hazardous wastes resulting from these activities include varying amounts of waste fuels, oils, paints, thinners, and solvents. A preliminary assessment was submitted in December 1990 where a recommendation for NFA was concluded.
Comments Date:	08081991
Comments:	Letter sent to Air National Guard (ANG) stating no concurrence
Comments Date:	08081991
Comments:	with nfa recommendation & explaining process and funding options
Comments Date:	08081991
Comments:	on for DTSC oversight.
Comments Date:	12162002
Comments:	BWEBS - SITE 1: In June 2002, the Phase II EBS was submitted presenting the results of the soil and groundwater field investigations.
Comments Date:	12162002
Comments:	A total of nine areas of concern (AOCs) were identified where potential risks to human health and the environment may exist.
Comments Date:	12162002
Comments:	These include a battery room floor drain, motor vehicle lift area, fuel storage area, grease rack, oil and water separator, diesel refueller spill, groundwater sampling, lead-based paint sampling
Comments Date:	12162002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COSTA MESA AIR NATIONAL GUARD (Continued)

S101481491

Comments: , and hydraulic fluid spill area. Contaminants detected include p
Comments Date: 12162002
Comments: etroleum hydrocarbons, volatile organic compounds, and lead-based
Comments Date: 12162002
Comments: paint. Also, the extent of contamination was not determined. D
Comments Date: 12162002
Comments: TSC submitted comments on August 26, 2002 not concurring with the
Comments Date: 12162002
Comments: No Further Action recommendations by the Air Force, and requeste
Comments Date: 12162002
Comments: d additional sampling to be conducted to determine the extent of
Comments Date: 12162002
Comments: contamination. The Air Force responded with a final letter on Oc
Comments Date: 12162002
Comments: tober 8, 2002 finalizing the EBS report and deferring any future
Comments Date: 12162002
Comments: actions until a relocation date for the CMANG is known.
ID Name: Not reported
ID Value: Not reported
Alternate Name: SANTA ANA ARMY BASE (1940S & 50S)COSTA MESA AIR NATIONAL GUARD
Special Programs Code: DSMOA
Special Programs Name: DEFENSE MEMORANDUM OF AGREEMENT

CORTESE:

Region: CORTESE
Envirostor Id: 30970004
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 06/28/2011
Site Code: 400498
Latitude: 33.671666
Longitude: -117.88888
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported

30
SSE
1/2-1
0.828 mi.
4371 ft.

(CMAFP) SANTA ANA AIRUG
SANTA ANA, CA

ENVIROSTOR S107735759
N/A

**Relative:
Higher**

ENVIROSTOR:
Facility ID: 80000028
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS

**Actual:
47 ft.**

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(CMAFP) SANTA ANA AIRUG (Continued)

S107735759

Acres: Not reported
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Douglas Bautista
 Division Branch: Cleanup Cypress
 Assembly: 74
 Senate: 37
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: DERA
 Latitude: 33.66861
 Longitude: -117.8916
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: CA99799F693800
 Alias Type: Federal Facility ID
 Alias Name: J09CA0042
 Alias Type: INPR
 Alias Name: 80000028
 Alias Type: Envirostor ID Number

Completed Info:

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

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

31
West
1/2-1
0.928 mi.
4901 ft.

METROPOLITAN CIRCUITS
1267 LOGAN AVENUE
COSTA MESA, CA 92626

RESPONSE **S100833316**
ENVIROSTOR **N/A**
HIST Cal-Sites
CA BOND EXP. PLAN
HIST CORTESE

Relative:
Higher

RESPONSE:
 Facility ID: 30360008
 Site Type: State Response
 Site Type Detail: State Response or NPL
 Acres: 2.5
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency Description: DTSC - Site Cleanup Program

Actual:
46 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Project Manager: Not reported
Supervisor: * Greg Holmes
Division Branch: Cleanup Cypress
Site Code: 400096
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 74
Senate: 37
Special Program Status: Not reported
Status: Certified
Status Date: 11/20/2000
Restricted Use: NO
Funding: Responsible Party
Latitude: 33.67829
Longitude: -117.9103
APN: 141-202-15
Past Use: MANUFACTURING - ELECTRONIC
Potential COC : Arsenic Lead Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Cadmium and compounds Chromium VI Copper and compounds 1,2-Dichloroethane (EDC 1,1-Dichloroethylene Mercury and compounds 1,1,2-Trichloroethane Zinc
Confirmed COC: 1,1,2-Trichloroethane Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Cadmium and compounds Chromium VI Copper and compounds 1,2-Dichloroethane (EDC 1,1-Dichloroethylene Mercury and compounds Arsenic Lead Zinc
Potential Description: OTH, SOIL, SV, IA, SURFW
Alias Name: METROPOLITAN WEST (IN 1971)
Alias Type: Alternate Name
Alias Name: VELIE CIRCUITS INC
Alias Type: Alternate Name
Alias Name: 141-202-15
Alias Type: APN
Alias Name: CAD982360232
Alias Type: EPA Identification Number
Alias Name: 110033610634
Alias Type: EPA (FRS #)
Alias Name: SLT8R0273912
Alias Type: GeoTracker Global ID
Alias Name: CAD980816763
Alias Type: HWTS Identification Code
Alias Name: P41025
Alias Type: PCode
Alias Name: 400096
Alias Type: Project Code (Site Code)
Alias Name: 30360008
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 11/30/1990
Comments: Not reported
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 04/11/1988
Comments: RAO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/10/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 05/10/1999
Comments: DTSC has determined that the remedial objectives of the ground- water and soil treatment system have been achieved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/06/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 02/20/1996
Comments: Additional contours of contaminated groundwater were provided. Pilot test results were also found acceptable. RI/FS complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Engineering Evaluation / Cost Analysis
Completed Date: 06/30/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 09/30/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/14/1989
Comments: Preliminary Assessment Done: On-going remedial investigation for this BEP site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/02/1987
Comments: Site Screening Done.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/30/1986
Comments: Removal Action: Soil excavation.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 08/01/1981
Comments: Facility Identified: Phone Co Search. Records Search: 07/01/76 NPDES #477B8872, IWP #7-217. 03/19/79 EMA - chemical waste onto Logan Avenue. 04/24/79 EMA-WPC - IWDP #202. 05/11/79 County Sanitation - discharge to sewer at night.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 10/12/1999
Comments: A settlement agreement was reached with Velie Circuits in which final remediation has been approved. O&M will continue until the second quarter of the year 2000.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 10/10/1996
Comments: The CEQA and RAW were completed and approved. Onsite pump and treat system (2-phase vapor extraction) to remediate 2 perched aquifers contaminated with various VOCs. Remediation is just starting - so total removed water is not projected at this time. Operating 11/96.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 11/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 05/23/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Substantial Endangerment Order
Completed Date: 12/09/1994
Comments: DTSC issued an Imminent and/or Substantial Endangerment Order and Consent Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 11/22/1993
Comments: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:

Facility ID: 30360008
Status: Certified
Status Date: 11/20/2000
Site Code: 400096
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 2.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: * Greg Holmes
Division Branch: Cleanup Cypress
Assembly: 74
Senate: 37
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.67829
Longitude: -117.9103
APN: 141-202-15
Past Use: MANUFACTURING - ELECTRONIC
Potential COC: Arsenic Lead Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Cadmium and compounds Chromium VI Copper and compounds 1,2-Dichloroethane (EDC 1,1-Dichloroethylene Mercury and compounds 1,1,2-Trichloroethane Zinc
Confirmed COC: 1,1,2-Trichloroethane Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Cadmium and compounds Chromium VI Copper and compounds 1,2-Dichloroethane (EDC 1,1-Dichloroethylene Mercury and compounds Arsenic Lead Zinc
Potential Description: OTH, SOIL, SV, IA, SURFW
Alias Name: METROPOLITAN WEST (IN 1971)
Alias Type: Alternate Name
Alias Name: VELIE CIRCUITS INC
Alias Type: Alternate Name
Alias Name: 141-202-15
Alias Type: APN
Alias Name: CAD982360232
Alias Type: EPA Identification Number
Alias Name: 110033610634
Alias Type: EPA (FRS #)
Alias Name: SLT8R0273912
Alias Type: GeoTracker Global ID
Alias Name: CAD980816763
Alias Type: HWTS Identification Code
Alias Name: P41025
Alias Type: PCode
Alias Name: 400096
Alias Type: Project Code (Site Code)
Alias Name: 30360008
Alias Type: Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 11/30/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 04/11/1988
Comments: RAO

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/10/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 05/10/1999
Comments: DTSC has determined that the remedial objectives of the ground- water and soil treatment system have been achieved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/06/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 02/20/1996
Comments: Additional contours of contaminated groundwater were provided. Pilot test results were also found acceptable. RI/FS complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Engineering Evaluation / Cost Analysis
Completed Date: 06/30/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 09/30/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/14/1989
Comments: Preliminary Assessment Done: On-going remedial investigation for this BEP site.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 01/02/1987
Comments: Site Screening Done.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/30/1986
Comments: Removal Action: Soil excavation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 08/01/1981
Comments: Facility Identified: Phone Co Search. Records Search: 07/01/76 NPDES #477B8872, IWP #7-217. 03/19/79 EMA - chemical waste onto Logan Avenue. 04/24/79 EMA-WPC - IWDP #202. 05/11/79 County Sanitation - discharge to sewer at night.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 10/12/1999
Comments: A settlement agreement was reached with Velie Circuits in which final remediation has been approved. O&M will continue until the second quarter of the year 2000.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 10/10/1996
Comments: The CEQA and RAW were completed and approved. Onsite pump and treat system (2-phase vapor extraction) to remediate 2 perched aquifers contaminated with various VOCs. Remediation is just starting - so total removed water is not projected at this time. Operating 11/96.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 11/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 05/23/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Substantial Endangerment Order
Completed Date: 12/09/1994
Comments: DTSC issued an Imminent and/or Substantial Endangerment Order and Consent Agreement.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 11/22/1993
Comments: Not reported

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

Calsite:

Region: CYPRESS
Facility ID: 30360008
Facility Type: RP
Type: RESPONSIBLE PARTY
Branch: SB
Branch Name: SO CAL - CYPRESS
File Name: Not reported
State Senate District: 11202000
Status: CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT
Status Name: CERTIFIED
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 36
SIC Name: MANU - ELECTRONIC & OTHER ELECTRIC EQUIP
Access: Controlled
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Suspected
Staff Member Responsible for Site: Not reported
Supervisor Responsible for Site: Not reported
Region Water Control Board: SA
Region Water Control Board Name: SANTA ANA
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 68
State Senate District Code: 35
Facility ID: 30360008
Activity: DISC
Activity Name: DISCOVERY
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08011981
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	30360008
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	SOIL
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	09301986
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	30360008
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01021987
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	30360008
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	RAO
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04301988
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	30360008
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	09301990
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	30360008
Activity:	FDNC
Activity Name:	FINAL DETERMINATION OF NON-COMPLIANCE
AWP Code:	Not reported
Proposed Budget:	0

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 11301990
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 30360008
Activity: FRIFS
Activity Name: FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code: GW
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 06301993
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 30360008
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: AMEND
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 11221993
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 30360008
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: I&SE
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 12091994
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 30360008
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: NOD
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05231995
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Unknown Type: 0
Facility ID: 30360008
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: GW
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03251996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 30360008
Activity: RA
Activity Name: REMOVAL ACTION
AWP Code: SOIL
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 09061995
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 435
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: N
Activity Comments: EXCAVATION AND DISPOSAL OF NON-RCRA WASTE.
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 30360008
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: S/GW
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 05101999

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: N
Activity Comments: 750 LBS. VOCS REMOVED (GALLONS)6.6 MILLION GALLONS TREATED
For Commercial Reuse: 0
For Industrial Reuse: 2.50000
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 30360008
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 11202000
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 650
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: X
Action Included Fencing: Not reported
Removal Action Certification: N
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 30360008
Activity: CEQA
Activity Name: CEQA INCLUDING NEGATIVE DECS
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 10101996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 30360008
Activity: RAW
Activity Name: REMOVAL ACTION WORKPLAN
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 10101996
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 30360008
Activity: ORDER
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code: SETTL
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 10121999
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 1267 LOGAN AVENUE
Alternate City,St,Zip: COSTA MESA, CA 92626

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Alternate Address: 1261 LOGAN AVENUE (CERCLIS)
Alternate City,St,Zip: COSTA MESA, CA
Alternate Address: 3232 FAIRVIEW (NEW LOCATION)
Alternate City,St,Zip: COSTA MESA, CA
Background Info:

This site is a printed circuit board manufacturing plant which was operated by Metropolitan Circuits from 1969 to 1981. The facility is presently occupied by Velie Circuits, which has operated a similar manufacturing plant at the location since 1984. During the production of the printed circuit boards, a process was used that involved the plating of copper and other metals. The soils in the chemical handling and storage areas on the site have been contaminated by metals used in this manufacturing process.

The company completed a prior RI/FS in 1985, and developed a RAP for the excavation and removal of contaminated soil. The RAP was approved in February 1986, and the excavation and removal of soil was implemented in September 1986. However, post-excavation sampling revealed that metals were still present in the soils and that they appeared to be increasing in depth. Therefore, in April 1988, the Department issued an RAO to the RPs requiring them to perform additional site characterization and remediation. In 1990, an approved RI Workplan was implemented which included soil sampling and installing 2 groundwater monitoring wells. Results showed that the extent of copper-contaminated was undefined and volatile organic compound (VOCs) were present in the soil and groundwater.

In 1991, additional RI work was completed. The extent of copper-contaminated soil was still undefined, the source of VOCs in the soil and groundwater was not identified, and the groundwater flow direction was unclear.

In 1992, a condensed and conservative Health Risk Assessment (HRA) was prepared by the Department based on information provided in the draft RI Report. The HRA concluded that the soil contaminated with metals and concentrations of VOCs in groundwater, if used as a drinking water source, may pose a significant risk.

After the groundwater flow direction was re-determined, additional investigative work was performed. The purpose of the investigation was to define the copper-contaminated soil area and evaluate groundwater conditions at the site using a cone penetrometer testing (CPT) survey and placing a groundwater monitoring well offsite. The report on this work concluded that available soil and groundwater data for VOCs is insufficient to identify the source or extent of contamination.

Thus, a limited soil investigation was performed in April 1993 for the purpose of determining if site operation contributed to the groundwater contamination of VOCs.

Comments Date: 08011981
Comments: 03/19/79 EMA - chemical waste onto Logan Avenue.
Comments Date: 01021987
Comments: Site Screening Done.
Comments Date: 01311984
Comments: This is the date the site was first listed pursuant to
Comments Date: 01311984
Comments: section 25356.
Comments Date: 02151995
Comments: The focused RI/FS workplan was approved.

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Comments Date: 03251996
Comments: Additional contours of contaminated groundwater were
Comments Date: 03251996
Comments: provided. Pilot test results were also found acceptable.
Comments Date: 03251996
Comments: RI/FS complete.
Comments Date: 04041995
Comments: The Removal Action Workplan was tentatively approved.
Comments Date: 04221999
Comments: DTSC meets with Velie Circuits, agrees that contaminants in
Comments Date: 04221999
Comments: groundwater have reached asymptotic levels and active
Comments Date: 04221999
Comments: remediation can be discontinued. Follow-up monitoring is
Comments Date: 04221999
Comments: needed, both on and off property.
Comments Date: 05101999
Comments: DTSC has determined that the remedial objectives of the ground-
Comments Date: 05101999
Comments: water and soil treatment system have been achieved.
Comments Date: 05221995
Comments: CEQA documents for the Metropolitan Circuits site were
Comments Date: 05221995
Comments: submitted/approved for the planned removal action. The
Comments Date: 05221995
Comments: proposed activities include excavation and removal of
Comments Date: 05221995
Comments: metal-contaminated soils.
Comments Date: 05261982
Comments: Final disposition through LA County Enforcement.
Comments Date: 08011981
Comments: 04/24/79 EMA-WPC - IWDP #202. 05/11/79 County Sanitation -
Comments Date: 08011981
Comments: discharge to sewer at night.
Comments Date: 08101981
Comments: Records Search: County Sanitation - problems with discharge
Comments Date: 08101981
Comments: clean-up.
Comments Date: 09141989
Comments: Preliminary Assessment Done: On-going remedial investigation
Comments Date: 09141989
Comments: for this BEP site.
Comments Date: 09181995
Comments: A Removal Action was conducted at the Metropolitan Circuits
Comments Date: 09181995
Comments: site consisting of the excavation and disposal of approx-
Comments Date: 09181995
Comments: imately 435 tons of non-RCRA waste. Clean soil was
Comments Date: 09181995
Comments: compacted over the excavated areas and certified to at
Comments Date: 09181995
Comments: least 90% compacted.
Comments Date: 09261989
Comments: Preliminary Assessment submitted to EPA. No further action
Comments Date: 09261989
Comments: by EPA.
Comments Date: 09291981

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Comments: Facility Drive-By: Operations moved to 3232 Fairview, also
Comments Date: 09291981
Comments: in Costa Mesa. Bluegreen stain from lot to street drain.
Comments Date: 09301986
Comments: Removal Action: Soil excavation.
Comments Date: 10051981
Comments: Questionnaire sent.
Comments Date: 10101996
Comments: The CEQA and RAW were completed and approved.
Comments Date: 10101996
Comments: Onsite pump and treat system (2-phase vapor extraction) to
Comments Date: 10101996
Comments: remediate 2 perched aquifers contaminated with various VOCs.
Comments Date: 10101996
Comments: Remediation is just starting - so total removed water is
Comments Date: 10101996
Comments: not projected at this time. Operating 11/96.
Comments Date: 10121999
Comments: A settlement agreement was reached with Velie Circuits in which
Comments Date: 10121999
Comments: final remediation has been approved. O&M will continue until
Comments Date: 10121999
Comments: the second quarter of the year 2000.
Comments Date: 10221981
Comments: Questionnaire received.
Comments Date: 11051981
Comments: Phone Follow-up: Refined solvents onsite. Clarifier has ink
Comments Date: 11051981
Comments: and plating wastes. Clarifier was full - no plan to empty.
Comments Date: 11051981
Comments: Stains from sulfuric peroxide.
Comments Date: 11091981
Comments: State Inspection: Clarified on east side of building. Non-
Comments Date: 11091981
Comments: odorous material in clarifier. DA torque fluid in
Comments Date: 11091981
Comments: containers. One 55-gallon drum and 5-gallon bucket. Cement
Comments Date: 11091981
Comments: block in back nearly dissolved. Stains (blue, yellow,
Comments Date: 11091981
Comments: orange) around crumbling block. Acid tank was over cement
Comments Date: 11091981
Comments: block. Reddish stain at back of building; may be rust.
Comments Date: 11091981
Comments: Security guard on premises.
Comments Date: 11171981
Comments: Recommend testing of clarifier.
Comments Date: 11231999
Comments: Velie Circuits submits a proposal to abandon seven monitoring
Comments Date: 11231999
Comments: wells in the Adams Place (former Our Town Apartments) and one
Comments Date: 11231999
Comments: on the Lyon Mesa Property. DTSC approves the proposal.
Comments Date: 11292000
Comments: SOIL AND GROUNDWATER REMEDIATION AT THE SITE HAS BEEN CERTIFIED
Comments Date: 11292000
Comments: REMEDIATED TO HEALTH-BASED STANDARDS.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

Comments Date: 12071981
Comments: State Inspection: Storage cabinet had solvents, paints, and
Comments Date: 12071981
Comments: adhesives. Five samples taken. Site photos taken.
Comments Date: 12071994
Comments: The Department is currently negotiating a Cleanup
Comments Date: 12071994
Comments: Agreement with Ascon Landfill.
Comments Date: 12091994
Comments: DTSC issued an Imminent and/or Substantial Endangerment
Comments Date: 12091994
Comments: Order and Consent Agreement.
Comments Date: 08011981
Comments: Facility Identified: Phone Co Search.
Comments Date: 08011981
Comments: Records Search: 07/01/76 NPDES #477B8872, IWP #7-217.
ID Name: CALSTARS CODE
ID Value: 400096
ID Name: HWIS IDENTIFICATION CODE
ID Value: CAD980816763
ID Name: BEP DATABASE PCODE
ID Value: P41025
ID Name: EPA IDENTIFICATION NUMBER
ID Value: CAD982360232
Alternate Name: METROPOLITAN WEST (IN 1971)METROPOLITAN CIRCUITSVELIE CIRCUITS INC
Special Programs Code: CERC2
Special Programs Name: CERCLA II

CA BOND EXP. PLAN:

Responsible Party: RESPONSIBLE PARTY LEAD SITE CLEANUP WORKPLAN
Project Revenue Source Company: Not reported
Project Revenue Source Addr: Not reported
Project Revenue Source City,St,Zip: Not reported
Project Revenue Source Desc: The responsible parties are in compliance with an order issued by the Department for oversight/monitoring of their cleanup efforts. DHS has budgeted \$50,000 for direct costs related to the project. DHS will recover 100 percent of direct costs plus staff costs and overhead related to the project. The responsible parties will pay all costs associated with cleanup.
Site Description: This site is a former printed circuit board manufacturing plant which operated from 1969 to 1981. The facility is now occupied by Velie Circuits, which has operated a similar manufacturing plant since 1984.
Hazardous Waste Desc: The soils in chemical handling and storage areas on the site have been contaminated by heavy metals utilized in The manufacturing process. These substances include copper, lead, and zinc.
Threat To Public Health & Env: The levels of heavy metals in soil may be increasing with depth, which could represent a potential threat to the ground water. The site is located next to the Paularino Channel which eventually drains to the Upper Newport Bay, a wildlife refuge. There is no known exposure of chemicals to workers at this time because of preventive measures taken at the facility.
Site Activity Status: The company completed a RI/FS and developed a RAP that was approved by the Department in February, 1986. The RAP was implemented in September, 1986 which entailed excavation and removal of contaminated soil. Post-excavation sampling revealed that metals were still present in soils and may be increasing with depth. In April, 1988, DHS issued a RAO to Metropolitan Circuits and Velie Circuits requiring them to characterize the remaining contamination and develop a second RAP. The characterization work will include ground water investigation to determine if usable aquifers are impacted. This work will commence in Fall

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METROPOLITAN CIRCUITS (Continued)

S100833316

1988.

HIST CORTESE:

Region: CORTESE
Facility County Code: 30
Reg By: CALSI
Reg Id: 30360008

G32
SSW
1/2-1
0.940 mi.
4961 ft.

SANTA ANA ARMY AIR BASE

FUDS 1009484289
N/A

COSTA MESA, CA

Site 1 of 2 in cluster G

Relative:
Higher

FUDS:

Federal Facility ID: CA9799F5616
FUDS #: J09CA0614
INST ID: 53886
Facility Name: SANTA ANA ARMY AIR BASE
City: COSTA MESA
State: CA
EPA Region: 09
County: ORANGE
Congressional District: 46
US Army District: Los Angeles District (SPL)
Fiscal Year: 2012
Telephone: 213-452-3920
NPL Status: Not Listed
RAB: Not reported
CTC: 914.8999
Current Owner: Other Federal Government; Private Sector
Current Prog: Not reported
Future Prog: Not reported
Acreage: Not reported

Actual:
62 ft.

Description: The Santa Ana Army Air Base consisted of 1336.102 acres. This was made up of 909.453 acres acquired in fee, by condemnation and purchase, 420.74 acres acquired by lease, 5.771 acres acquired by easement, and 0.138 acres. The site is located In the City of Costa Mesa, Orange County, California. The site, at present, contains the Orange County Fairgrounds, Costa Mesa City Hall, Orange Coast College, Pacific Amphitheater, Southern California Bible College, Air National Guard Station, and several residential and retail tracts. Some of the original buildings were renovated and are being used by the present owners. The lease was terminated when the fee land was conveyed to the College.

History: The Army Air Corps used the site as a pilot training facility between March 1942 and October 1944. It then became a redistribution center and convalescent hospital and later was a discharge station for returning soldiers. The base was built to serve 20,000 personnel. Finally, before it closed in March 1946, it was a discharge station for soldiers returning from the Pacific. The former site was sold to various entities - Orange Coast College, 32nd Agricultural, and Southern California Bible College. The site currently consists of many residential and retail tracts with approximately 2,800 owners

Latitude: 33.66694444000
Longitude: -117.90027778

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G33
SSW
1/2-1
0.941 mi.
4970 ft.

SANTA ANA AAB
COSTA MESA, CA
Site 2 of 2 in cluster G

ENVIROSTOR **S107737267**
N/A

Relative:
Higher

ENVIROSTOR:
Facility ID: 80000467
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 74
Senate: 37
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.66694
Longitude: -117.9002
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F561600
Alias Type: Federal Facility ID
Alias Name: J09CA0614
Alias Type: INPR
Alias Name: 80000467
Alias Type: Envirostor ID Number

Actual:
62 ft.

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

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

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/09/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/19/2015
	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: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/09/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/19/2015
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/26/2015	Source: EPA
Date Data Arrived at EDR: 04/08/2015	Telephone: N/A
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/09/2015
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/19/2015
	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: 03/26/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/08/2015	Telephone: 703-603-8704
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 07/10/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/19/2015
	Data Release Frequency: Varies

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
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: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 08/12/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 11/30/2015
	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: 03/16/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/17/2015	Telephone: 703-603-0695
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 06/01/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/14/2015
	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: 03/16/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/17/2015	Telephone: 703-603-0695
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 06/01/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/30/2015	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 03/31/2015	Telephone: 202-267-2180
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 06/26/2015
Number of Days to Update: 63	Next Scheduled EDR Contact: 10/12/2015
	Data Release Frequency: Annually

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: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 08/04/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/16/2015
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 08/04/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/16/2015
	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: 05/18/2015	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 05/20/2015	Telephone: 916-341-6320
Date Made Active in Reports: 06/05/2015	Last EDR Contact: 05/20/2015
Number of Days to Update: 16	Next Scheduled EDR Contact: 08/31/2015
	Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: Varies

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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	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 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 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	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
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

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: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 06/15/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/17/2015	Telephone: see region list
Date Made Active in Reports: 07/14/2015	Last EDR Contact: 06/17/2015
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/28/2015
	Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/08/2015	Telephone: 415-972-3372
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 07/31/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015	Source: EPA Region 10
Date Data Arrived at EDR: 02/12/2015	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Quarterly

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: 04/30/2015	Source: EPA, Region 5
Date Data Arrived at EDR: 05/29/2015	Telephone: 312-886-7439
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 24	Next Scheduled EDR Contact: 11/09/2015
	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: 04/30/2015	Source: EPA Region 8
Date Data Arrived at EDR: 05/05/2015	Telephone: 303-312-6271
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
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: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Semi-Annually

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: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases

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: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/10/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 19

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
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: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

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: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/09/2015
	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: 02/03/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 04/30/2015	Telephone: 617-918-1313
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/31/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014	Source: EPA Region 9
Date Data Arrived at EDR: 02/13/2015	Telephone: 415-972-3368
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 07/31/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Quarterly

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: 05/06/2015	Source: EPA Region 10
Date Data Arrived at EDR: 05/19/2015	Telephone: 206-553-2857
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Quarterly

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: 04/30/2015	Source: EPA Region 5
Date Data Arrived at EDR: 05/26/2015	Telephone: 312-886-6136
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/09/2015
	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: 09/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2015	Telephone: 404-562-9424
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/30/2015	Source: EPA Region 8
Date Data Arrived at EDR: 05/05/2015	Telephone: 303-312-6137
Date Made Active in Reports: 06/22/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 06/26/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/12/2015
	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

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: 05/04/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/05/2015	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2015	Last EDR Contact: 08/04/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/16/2015
	Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/08/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/09/2015	Telephone: 916-323-7905
Date Made Active in Reports: 07/10/2015	Last EDR Contact: 06/05/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/21/2015
	Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/23/2015
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/24/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 08/04/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 47

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 8

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/12/2015
Next Scheduled EDR Contact: 11/30/2015
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985

Date Data Arrived at EDR: 08/09/2004

Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346

Last EDR Contact: 06/09/2004

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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: 02/25/2015

Date Data Arrived at EDR: 03/10/2015

Date Made Active in Reports: 03/25/2015

Number of Days to Update: 15

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 05/29/2015

Next Scheduled EDR Contact: 09/14/2015

Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005

Date Data Arrived at EDR: 08/03/2006

Date Made Active in Reports: 08/24/2006

Number of Days to Update: 21

Source: Department of Toxic Substance Control

Telephone: 916-323-3400

Last EDR Contact: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009

Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/04/2015

Date Data Arrived at EDR: 05/05/2015

Date Made Active in Reports: 05/14/2015

Number of Days to Update: 9

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 08/04/2015

Next Scheduled EDR Contact: 11/16/2015

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: 12/31/2014

Date Data Arrived at EDR: 03/10/2015

Date Made Active in Reports: 03/18/2015

Number of Days to Update: 8

Source: Department of Toxic Substances Control

Telephone: 916-255-6504

Last EDR Contact: 08/07/2015

Next Scheduled EDR Contact: 10/28/2015

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/11/2015
Date Data Arrived at EDR: 06/16/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
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: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/08/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 35

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/09/2015
Next Scheduled EDR Contact: 09/21/2015
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: 03/30/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Annually

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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 07/28/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 6

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/28/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 27

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

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: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/08/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/14/2015
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/28/2015
	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: 07/14/2015
Number of Days to Update: 339	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/21/2015
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/31/2015
	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: 03/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-566-1917
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 08/12/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/30/2015
	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: 08/04/2015
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/23/2015
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/22/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 05/14/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/24/2015
	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: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 06/25/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/05/2015
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2013	Source: EPA
Date Data Arrived at EDR: 02/12/2015	Telephone: 202-566-0250
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 01/29/2015
Number of Days to Update: 110	Next Scheduled EDR Contact: 06/08/2015
	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	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 07/22/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/09/2015
	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: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 06/12/2015
Number of Days to Update: 74	Next Scheduled EDR Contact: 09/21/2015
	Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/13/2015	Telephone: 202-564-8600
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 07/22/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/09/2015
	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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 05/14/2015
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/24/2015
	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: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 07/17/2015
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/28/2015
	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: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 07/09/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/20/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/07/2015
	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: 05/20/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/07/2015
	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: 03/31/2015	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/09/2015	Telephone: 301-415-7169
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 06/04/2015
Number of Days to Update: 63	Next Scheduled EDR Contact: 09/21/2015
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	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: 07/13/2015
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/28/2015
	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: 06/12/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/21/2015
	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: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/31/2015
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/09/2015
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/07/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/04/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Varies

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: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
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: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/14/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Semi-Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/26/2015
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/07/2015
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/26/2014	Telephone: 703-603-8787
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 07/07/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/19/2015
	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	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	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: 10/16/2014	Source: EPA
Date Data Arrived at EDR: 10/31/2014	Telephone: 202-564-2496
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 06/22/2015
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/05/2015
	Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/16/2014	Source: EPA
Date Data Arrived at EDR: 10/31/2014	Telephone: 202-564-2496
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 06/22/2015
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/22/2015
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/30/2014	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 12/31/2014	Telephone: 303-231-5959
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 06/03/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005	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: 06/05/2015
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/14/2015
	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: 06/05/2015
Number of Days to Update: 97	Next Scheduled EDR Contact: 09/14/2015
	Data Release Frequency: Varies

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: 01/18/2015	Source: EPA
Date Data Arrived at EDR: 02/27/2015	Telephone: (415) 947-8000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 06/10/2015
Number of Days to Update: 26	Next Scheduled EDR Contact: 09/21/2015
	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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 18

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

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: 02/18/2015
Date Data Arrived at EDR: 02/20/2015
Date Made Active in Reports: 03/12/2015
Number of Days to Update: 20

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 09/21/2015
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: 12/31/2012
Date Data Arrived at EDR: 03/25/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 34

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
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: 04/30/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 12

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/07/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/24/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 14

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 35

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/17/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Annually

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: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/28/2015
Next Scheduled EDR Contact: 09/07/2015
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: 07/13/2015
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 27

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Varies

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: 05/07/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 35

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/09/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 08/31/2015
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: 06/07/2015
Date Data Arrived at EDR: 06/10/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 34

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 27

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
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: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/19/2014
Date Data Arrived at EDR: 12/15/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 45

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/19/2015
Next Scheduled EDR Contact: 09/28/2015
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 board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

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: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
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 US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

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: 07/21/2015
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/05/2015
Number of Days to Update: 12

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 08/10/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/21/2015
Date Data Arrived at EDR: 07/22/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 12

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa Facility List

Date of Government Version: 06/05/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 07/10/2015
Number of Days to Update: 31

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 11/20/2014
Date Data Arrived at EDR: 11/24/2014
Date Made Active in Reports: 01/07/2015
Number of Days to Update: 44

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 07/15/2015
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 17

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 24

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/10/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/03/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa Facility list

Date of Government Version: 05/19/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 14

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 7

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 08/03/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/13/2015
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 20

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 07/14/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 04/27/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 15

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 08/07/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 05/19/2015
Date Data Arrived at EDR: 06/18/2015
Date Made Active in Reports: 07/22/2015
Number of Days to Update: 34

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/07/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/15/2015
Number of Days to Update: 18

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 05/05/2015
Date Data Arrived at EDR: 05/07/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 13

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/20/2015
Next Scheduled EDR Contact: 11/02/2015
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014	Source: Department of Public Works
Date Data Arrived at EDR: 01/30/2015	Telephone: 626-458-3517
Date Made Active in Reports: 03/04/2015	Last EDR Contact: 07/10/2015
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/20/2015	Source: La County Department of Public Works
Date Data Arrived at EDR: 07/21/2015	Telephone: 818-458-5185
Date Made Active in Reports: 08/03/2015	Last EDR Contact: 07/21/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 11/02/2015
	Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2015	Source: Engineering & Construction Division
Date Data Arrived at EDR: 07/27/2015	Telephone: 213-473-7869
Date Made Active in Reports: 08/10/2015	Last EDR Contact: 07/20/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 11/02/2015
	Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/15/2015	Source: Community Health Services
Date Data Arrived at EDR: 01/29/2015	Telephone: 323-890-7806
Date Made Active in Reports: 03/10/2015	Last EDR Contact: 07/15/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/02/2015
	Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/02/2015	Telephone: 310-524-2236
Date Made Active in Reports: 04/13/2015	Last EDR Contact: 07/17/2015
Number of Days to Update: 11	Next Scheduled EDR Contact: 11/02/2015
	Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/03/2015	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 05/26/2015	Telephone: 562-570-2563
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 07/27/2015
Number of Days to Update: 16	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/03/2015	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 06/04/2015	Telephone: 310-618-2973
Date Made Active in Reports: 07/06/2015	Last EDR Contact: 06/04/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/28/2015
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/15/2015
Number of Days to Update: 17

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 30

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 06/01/2015
Date Data Arrived at EDR: 06/03/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 33

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/30/2015
Date Data Arrived at EDR: 07/07/2015
Date Made Active in Reports: 07/16/2015
Number of Days to Update: 9

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

NAPA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 06/03/2015
Date Data Arrived at EDR: 06/04/2015
Date Made Active in Reports: 07/22/2015
Number of Days to Update: 48

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 24

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/06/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 30

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/11/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/01/2015
Date Data Arrived at EDR: 07/07/2015
Date Made Active in Reports: 08/05/2015
Number of Days to Update: 29

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/15/2015
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 17

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/15/2015
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 17

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/07/2015
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 10

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

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: 05/07/2015
Date Data Arrived at EDR: 07/27/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 7

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2015
Date Data Arrived at EDR: 07/07/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/10/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014
Date Data Arrived at EDR: 11/21/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 38

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/22/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

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: 06/03/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

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: 08/06/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/06/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 10

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/10/2015
Number of Days to Update: 15

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 07/20/2015
Date Data Arrived at EDR: 07/22/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 12

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/15/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/10/2015
Date Data Arrived at EDR: 06/16/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

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: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2015
Date Data Arrived at EDR: 06/16/2015
Date Made Active in Reports: 07/10/2015
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

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

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: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/07/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 27

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/07/2015
Next Scheduled EDR Contact: 11/23/2015
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 13

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/12/2015
Date Data Arrived at EDR: 06/16/2015
Date Made Active in Reports: 07/10/2015
Number of Days to Update: 24

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2015
Date Data Arrived at EDR: 06/24/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 20

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2015
Date Data Arrived at EDR: 06/30/2015
Date Made Active in Reports: 07/07/2015
Number of Days to Update: 7

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 06/22/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 18

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/01/2015
Date Data Arrived at EDR: 07/07/2015
Date Made Active in Reports: 07/14/2015
Number of Days to Update: 7

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 06/05/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 27

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 07/13/2015
Date Data Arrived at EDR: 07/28/2015
Date Made Active in Reports: 08/03/2015
Number of Days to Update: 6

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/24/2015
Next Scheduled EDR Contact: 11/09/2015
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 06/26/2015	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 07/17/2015	Telephone: 805-654-2813
Date Made Active in Reports: 08/03/2015	Last EDR Contact: 08/12/2015
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/30/2015
	Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 06/26/2015
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/19/2015
	Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 08/12/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/30/2015
	Data Release Frequency: Quarterly

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: 04/27/2015	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 04/29/2015	Telephone: 805-654-2813
Date Made Active in Reports: 05/13/2015	Last EDR Contact: 07/27/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 11/09/2015
	Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/27/2015	Source: Environmental Health Division
Date Data Arrived at EDR: 06/17/2015	Telephone: 805-654-2813
Date Made Active in Reports: 07/06/2015	Last EDR Contact: 06/17/2015
Number of Days to Update: 19	Next Scheduled EDR Contact: 09/28/2015
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 07/08/2015	Source: Yolo County Department of Health
Date Data Arrived at EDR: 07/13/2015	Telephone: 530-666-8646
Date Made Active in Reports: 07/22/2015	Last EDR Contact: 07/06/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/05/2015
	Data Release Frequency: Annually

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/19/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 17

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/31/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2015
Next Scheduled EDR Contact: 10/28/2015
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: 08/01/2015
Date Data Arrived at EDR: 08/06/2015
Date Made Active in Reports: 08/24/2015
Number of Days to Update: 18

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/06/2015
Next Scheduled EDR Contact: 11/16/2015
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/20/2015
Next Scheduled EDR Contact: 11/02/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation
Telephone: 281-546-1505

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
Telephone: 800-823-6277

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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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

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

DE NOVA HOMES- BAKER ST.
929 BAKER STREET
COSTA MESA, CA 92626

TARGET PROPERTY COORDINATES

Latitude (North):	33.6801 - 33° 40' 48.36"
Longitude (West):	117.8958 - 117° 53' 44.88"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	416962.8
UTM Y (Meters):	3726853.5
Elevation:	40 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640950 NEWPORT BEACH, CA
Version Date:	2012

East Map:	5640942 TUSTIN, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

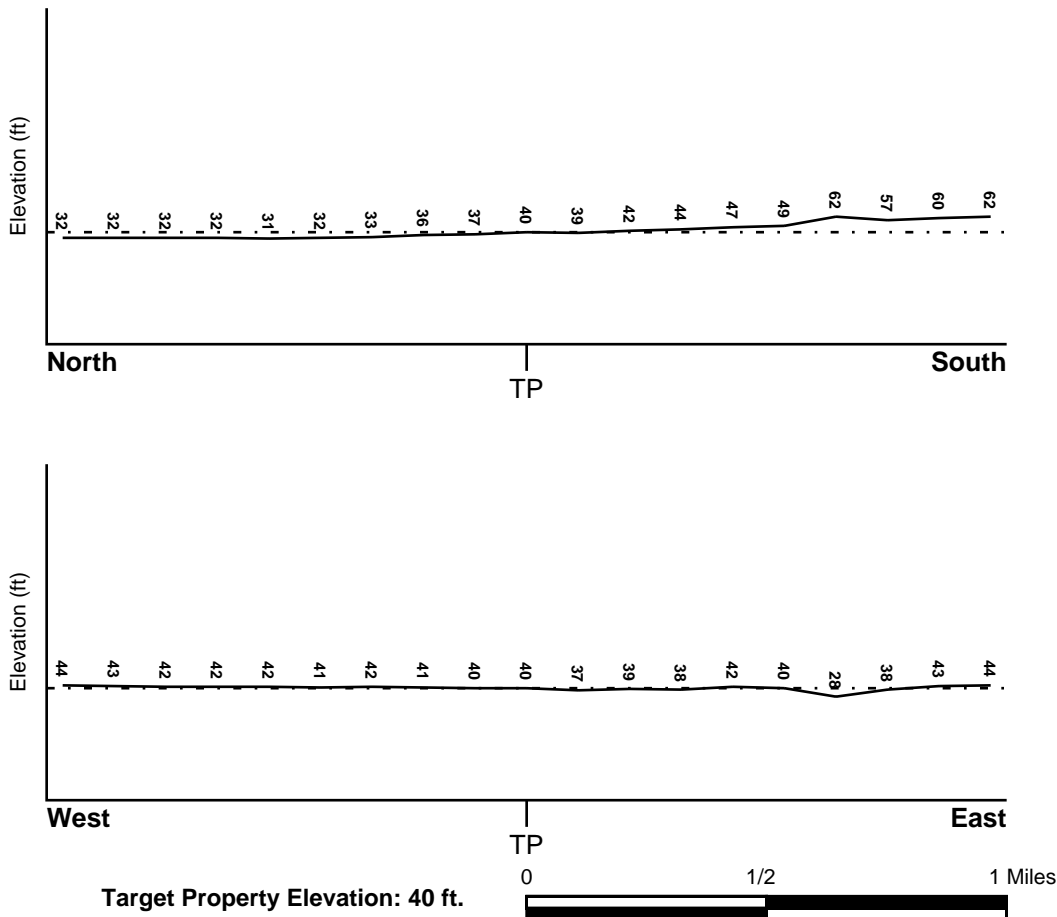
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> ORANGE, CA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
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Flood Plain Panel at Target Property: 06059C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> COSTA MESA	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Location Relative to TP:	1 - 2 Miles East
Site Name:	Western Digital Corporation
Site EPA ID Number:	CAD051983567
Surficial Aquifer Flow Dir.:	South
Measured Depth to Water:	35.5 feet.
Hydraulic Connection:	Aquifers underlying the site are hydraulically connected.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
2	1/4 - 1/2 Mile East	SW
A4	1/4 - 1/2 Mile West	NNW

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
A5	1/4 - 1/2 Mile West	NNW
6	1/4 - 1/2 Mile SW	Not Reported
7	1/4 - 1/2 Mile East	Not Reported
9	1/2 - 1 Mile West	SSW
10	1/2 - 1 Mile ENE	Not Reported
B11	1/2 - 1 Mile ENE	SE
B12	1/2 - 1 Mile ENE	SE
D16	1/2 - 1 Mile West	SSW
17	1/2 - 1 Mile ESE	Not Reported
23	1/2 - 1 Mile ESE	NNE
25	1/2 - 1 Mile NNE	SW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

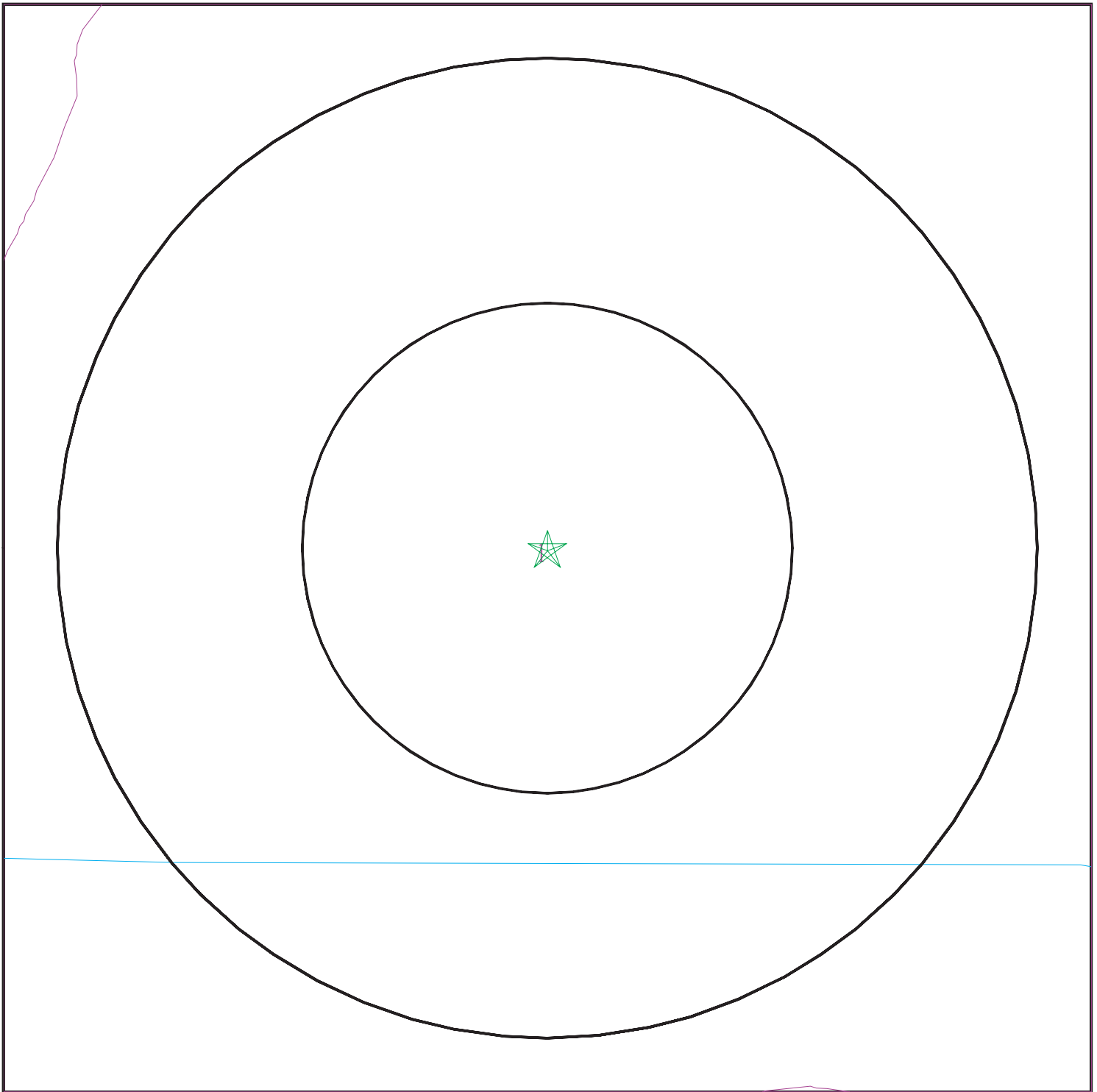
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4394412.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: De Nova Homes- Baker St.
ADDRESS: 929 Baker Street
Costa Mesa CA 92626
LAT/LONG: 33.6801 / 117.8958

CLIENT: Bureau Veritas North America, Inc.
CONTACT: Sara Boyer
INQUIRY #: 4394412.2s
DATE: August 26, 2015 5:44 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: 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	22 inches	sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 6 Min: 5.1
2	22 inches	27 inches	sandy clay	Not reported	Not reported	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6
3	27 inches	38 inches	sandy clay loam	Not reported	Not reported	Max: 0.42 Min: 0.01	Max: 8.4 Min: 5.6
4	38 inches	70 inches	sandy loam	Not reported	Not reported	Max: 0.42 Min: 0.01	Max: 8.4 Min: 6.1
5	70 inches	79 inches	sandy loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

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 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C13	USGS40000136687	1/2 - 1 Mile East
E19	USGS40000136517	1/2 - 1 Mile SSE
20	USGS40000136807	1/2 - 1 Mile NNW
F21	USGS40000136669	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

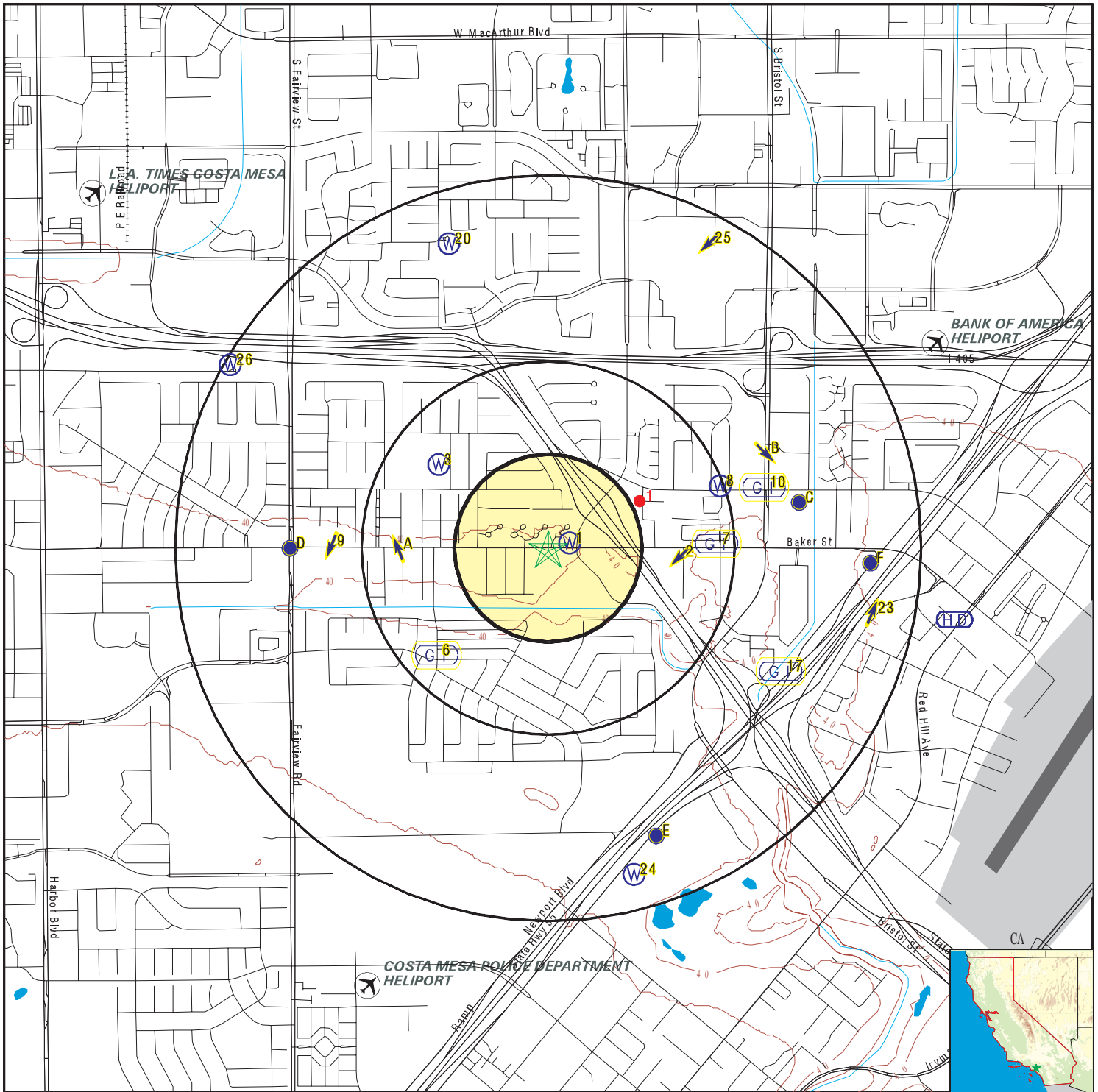
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CADW600000035291	0 - 1/8 Mile ENE
3	6291	1/4 - 1/2 Mile NW
8	7058	1/4 - 1/2 Mile ENE
C15	CADW600000021930	1/2 - 1 Mile East
E18	CADW60000000221	1/2 - 1 Mile SSE
F22	CADW600000021931	1/2 - 1 Mile East
24	CADW600000022116	1/2 - 1 Mile SSE
26	5179	1/2 - 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	CAOG11000222240	1/4 - 1/2 Mile ENE

PHYSICAL SETTING SOURCE MAP - 4394412.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: De Nova Homes- Baker St.
 ADDRESS: 929 Baker Street
 Costa Mesa CA 92626
 LAT/LONG: 33.6801 / 117.8958

CLIENT: Bureau Veritas North America, Inc.
 CONTACT: Sara Boyer
 INQUIRY #: 4394412.2s
 DATE: August 26, 2015 5:44 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
ENE
0 - 1/8 Mile
Higher **CA WELLS** **CADW60000035291**

Objectid: 35291
 Latitude: 33.6803
 Longitude: -117.8948
 Site code: 336803N1178948W001
 State well numbe: 06S10W02G001S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 30
 County name: Orange
 Basin code: '8-1'
 Basin desc: Coastal Plain Of Orange County
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000035291

2
East
1/4 - 1/2 Mile
Lower **AQUIFLOW** **34037**

Site ID: 083001627T
 Groundwater Flow: SW
 Shallow Water Depth: 26.10
 Deep Water Depth: 26.45
 Average Water Depth: Not Reported
 Date: 04/22/1996

3
NW
1/4 - 1/2 Mile
Lower **CA WELLS** **6291**

Water System Information:

Prime Station Code: 05S/10W-34Q03 S	User ID: TEE
FRDS Number: 3010004005	County: Orange
District Number: 08	Station Type: WELL/AMBNT/MUN/INTAKE
Water Type: Well/Groundwater	Well Status: Active Untreated
Source Lat/Long: 334100.0 1175400.0	Precision: 1 Mile (One Minute)
Source Name: WELL 04	
System Number: 3010004	
System Name: Mesa Consolidated WD	
Organization That Operates System:	
P.O. Box 5008	
Costa Mesa, CA 92628	
Pop Served: 97000	Connections: 22370
Area Served: COSTA MESA	
Sample Collected: 12-AUG-13	Findings: 337. PCI/L
Chemical: TRITIUM COUNTING ERROR	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: 12-AUG-13 Findings: 154. PCI/L
 Chemical: TRITIUM MDA95

A4
West
1/4 - 1/2 Mile
Higher

Site ID:	083000019T		
Groundwater Flow:	NNW	AQUIFLOW	34058
Shallow Water Depth:	12.30		
Deep Water Depth:	36.41		
Average Water Depth:	Not Reported		
Date:	10/30/1998		

A5
West
1/4 - 1/2 Mile
Higher

Site ID:	083000019T		
Groundwater Flow:	NNW	AQUIFLOW	34057
Shallow Water Depth:	12.30		
Deep Water Depth:	36.41		
Average Water Depth:	Not Reported		
Date:	10/30/1998		

6
SW
1/4 - 1/2 Mile
Higher

Site ID:	083001685T		
Groundwater Flow:	Not Reported	AQUIFLOW	38937
Shallow Water Depth:	44		
Deep Water Depth:	50.8		
Average Water Depth:	Not Reported		
Date:	05/07/1996		

7
East
1/4 - 1/2 Mile
Higher

Site ID:	083000637T		
Groundwater Flow:	Not Reported	AQUIFLOW	66542
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	25.27		
Date:	01/1987		

8
ENE
1/4 - 1/2 Mile
Lower

		CA WELLS	7058
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Water System Information:

Prime Station Code:	06S/10W-02H03 S	User ID:	TEE
FRDS Number:	3000572001	County:	Orange
District Number:	08	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	334057.0 1175313.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01 PAULARINO ST WELL - DESTROYED		
System Number:	3000572		
System Name:	PAULARINO WATER ASSOCIATION		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

9
West
1/2 - 1 Mile
Higher

Site ID:	083001490T		
Groundwater Flow:	SSW	AQUIFLOW	34280
Shallow Water Depth:	35.60		
Deep Water Depth:	40.46		
Average Water Depth:	Not Reported		
Date:	04/27/1998		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

10 ENE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001510T Not Reported Not Reported Not Reported 23.5 10/15/1992	AQUIFLOW	65353
--	---	--	-----------------	--------------

B11 ENE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000430T SE 22.15 25.6 Not Reported 03/31/1999	AQUIFLOW	68226
---	---	---	-----------------	--------------

B12 ENE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000430T SE 22.15 25.6 Not Reported 03/31/1999	AQUIFLOW	68227
---	---	---	-----------------	--------------

C13 East 1/2 - 1 Mile Lower			FED USGS	USGS40000136687
--	--	--	-----------------	------------------------

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334055117530001		
Monloc name:	006S010W01E002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070204	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.681964
Longitude:	-117.8842234	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D14
West
1/2 - 1 Mile
Higher

Site ID: 083002125T
Groundwater Flow: Not Reported
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: 41
Date: 09/30/1997

AQUIFLOW 38849

C15
East
1/2 - 1 Mile
Lower

Objectid: 21930
Latitude: 33.6818
Longitude: -117.884
Site code: 336818N1178840W001
State well numbe: 06S10W01E002S
Local well name: "
Well use id: 6
Well use descrip: Unknown
County id: 30
County name: Orange
Basin code: '8-1'
Basin desc: Coastal Plain Of Orange County
Dwr region id: 80238
Dwr region: Southern Region Office
Site id: CADW60000021930

CA WELLS CADW60000021930

D16
West
1/2 - 1 Mile
Higher

Site ID: 083000371T
Groundwater Flow: SSW
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: 51
Date: 08/23/1989

AQUIFLOW 65351

17
ESE
1/2 - 1 Mile
Lower

Site ID: 083002072T
Groundwater Flow: Not Reported
Shallow Water Depth: 25
Deep Water Depth: 26
Average Water Depth: Not Reported
Date: 03/31/1998

AQUIFLOW 38855

E18
SSE
1/2 - 1 Mile
Higher

CA WELLS CADW60000000221

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 221
 Latitude: 33.6689
 Longitude: -117.8912
 Site code: 336689N1178912W001
 State well numbe: 06S10W11G001S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 30
 County name: Orange
 Basin code: '8-1'
 Basin desc: Coastal Plain Of Orange County
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW6000000221

E19
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000136517

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334008117532201		
Monloc name:	006S010W11G001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070204	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.6689088
Longitude:	-117.8903347	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	54.00
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19290201	Welldepth:	407
Welldepth units:	ft	Wellholedepth:	725
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 58

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1986-08-13	68.64		1986-04-29	64.95	
1986-02-11	62.06		1985-11-04	64.96	
1985-08-07	68.24		1985-05-08	50.40	
1985-02-15	52.44		1984-10-25	64.41	
1984-08-14	59.72		1984-05-10	52.13	
1984-02-03	47.99		1983-11-01	58.21	
1983-08-10	64.09		1983-05-12	54.53	
1983-02-09	55.39		1982-11-03	61.34	
1982-08-02	60.46		1982-04-29	52.84	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1982-01-26	53.86		1981-11-09	57.53	
1981-07-30	54.10		1981-05-07	51.37	
1981-02-04	50.12		1980-10-30	59.10	
1980-08-26	61.23		1980-06-17	57.14	
1980-02-06	56.86		1979-11-08	62.43	
1979-08-01	67.88		1979-04-30	54.59	
1979-02-05	59.78		1978-10-25	68.0	
1978-09-29	69.13		1974-05-06	57.0	
1974-03-21	49.8		1974-01-30	59.1	
1973-11-05	58.8		1973-09-13	61.2	
1973-07-16	63.1		1973-05-11	56.1	
1973-03-13	53.1		1973-01-11	58.1	
1972-11-06	60.4		1972-05-05	57.6	
1972-03-03	52.8		1972-01-13	46.4	
1971-03-08	44.9		1970-12-16	44.7	
1970-11-05	51.7		1970-10-08	52.2	
1970-09-11	52.8		1970-08-12	52.4	
1970-07-09	47.0		1970-06-04	45.5	
1970-05-05	44.7		1970-04-30	43.0	
1970-03-12	42.5		1970-02-16	42.2	

**20
NNW
1/2 - 1 Mile
Lower**

FED USGS

USGS40000136807

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334131117540101		
Monloc name:	005S010W35M001S		
Monloc type:	Well		
Monloc desc:	NAWQA DATA ENTRY COM + VER 06/15/2000 SDIONNE		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.6919472
Longitude:	-117.9004139	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	31
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Quaternary Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	19991118	Welldepth:	28.5
Welldepth units:	ft	Wellholedepth:	28.5
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
2000-06-09	11.3	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F21
East
1/2 - 1 Mile
Higher

FED USGS USGS40000136669

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334047117524801		
Monloc name:	006S010W01L001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070204	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.6797418
Longitude:	-117.88089	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

F22
East
1/2 - 1 Mile
Higher

CA WELLS CADW60000021931

Objectid:	21931
Latitude:	33.6793
Longitude:	-117.8807
Site code:	336793N1178807W001
State well numbe:	06S10W01L001S
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	30
County name:	Orange
Basin code:	'8-1'
Basin desc:	Coastal Plain Of Orange County
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000021931

23
ESE
1/2 - 1 Mile
Higher

Site ID:	083000135T
Groundwater Flow:	NNE
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	26
Date:	02/22/1995

AQUIFLOW 64529

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

24
SSE
1/2 - 1 Mile
Higher

CA WELLS CADW60000022116

Objectid: 22116
 Latitude: 33.6674
 Longitude: -117.8918
 Site code: 336674N1178918W001
 State well numbe: 06S10W11G003S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 30
 County name: Orange
 Basin code: '8-1'
 Basin desc: Coastal Plain Of Orange County
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000022116

25
NNE
1/2 - 1 Mile
Lower

Site ID: 083000754T
 Groundwater Flow: SW
 Shallow Water Depth: Not Reported
 Deep Water Depth: Not Reported
 Average Water Depth: 20
 Date: 04/14/1998

AQUIFLOW 65322

26
WNW
1/2 - 1 Mile
Lower

CA WELLS 5179

Water System Information:

Prime Station Code: 04S/10W-34Q04 S
 FRDS Number: 3010004010
 District Number: 08
 Water Type: Well/Groundwater
 Source Lat/Long: 334114.0 1175435.3
 Source Name: WELL 06
 System Number: 3010004
 System Name: Mesa Consolidated WD
 Organization That Operates System:
 P.O. Box 5008
 Costa Mesa, CA 92628
 Pop Served: 97000
 Area Served: COSTA MESA
 Sample Collected: 11-JAN-13
 Chemical: COLOR

User ID: TEE
 County: Orange
 Station Type: WELL/AMBNT/MUN/INTAKE
 Well Status: Active Untreated
 Precision: 1,000 Feet (10 Seconds)

Connections: 22370
 Findings: 250. UNITS

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11-JAN-13	Findings:	3. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	26-FEB-13	Findings:	150. UNITS
Chemical:	COLOR		
Sample Collected:	26-FEB-13	Findings:	694. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	26-FEB-13	Findings:	8.7
Chemical:	PH, LABORATORY		
Sample Collected:	26-FEB-13	Findings:	183. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	26-FEB-13	Findings:	199. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	26-FEB-13	Findings:	20.4 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	26-FEB-13	Findings:	4.66 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	26-FEB-13	Findings:	23.1 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	26-FEB-13	Findings:	8.5 MG/L
Chemical:	CALCIUM		
Sample Collected:	26-FEB-13	Findings:	140. MG/L
Chemical:	SODIUM		
Sample Collected:	26-FEB-13	Findings:	1. MG/L
Chemical:	POTASSIUM		
Sample Collected:	26-FEB-13	Findings:	106. MG/L
Chemical:	CHLORIDE		
Sample Collected:	26-FEB-13	Findings:	0.74 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	26-FEB-13	Findings:	390. UG/L
Chemical:	BORON		
Sample Collected:	26-FEB-13	Findings:	7.1 UG/L
Chemical:	VANADIUM		
Sample Collected:	26-FEB-13	Findings:	382. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	26-FEB-13	Findings:	0.7 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	26-FEB-13	Findings:	0.61 MG/L
Chemical:	BROMIDE		
Sample Collected:	08-APR-13	Findings:	150. UNITS
Chemical:	COLOR		
Sample Collected:	08-APR-13	Findings:	2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	03-JUL-13	Findings:	180. UNITS
Chemical:	COLOR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03-JUL-13	Findings:	3. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	08-AUG-13	Findings:	. 100. UNITS
Chemical:	COLOR		
Sample Collected:	08-AUG-13	Findings:	. 3. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	08-AUG-13	Findings:	. 0.77 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08-AUG-13	Findings:	. 1.5 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05-SEP-13	Findings:	. 150. UNITS
Chemical:	COLOR		
Sample Collected:	05-SEP-13	Findings:	. 2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	05-SEP-13	Findings:	. 0.78 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	05-SEP-13	Findings:	. 6.8 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09-SEP-13	Findings:	200. UNITS
Chemical:	COLOR		
Sample Collected:	09-SEP-13	Findings:	723. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09-SEP-13	Findings:	8.7
Chemical:	PH, LABORATORY		
Sample Collected:	09-SEP-13	Findings:	185. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	09-SEP-13	Findings:	166. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	09-SEP-13	Findings:	18.9 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	09-SEP-13	Findings:	5.22 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	09-SEP-13	Findings:	24.9 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	09-SEP-13	Findings:	9. MG/L
Chemical:	CALCIUM		
Sample Collected:	09-SEP-13	Findings:	0.6 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	09-SEP-13	Findings:	144. MG/L
Chemical:	SODIUM		
Sample Collected:	09-SEP-13	Findings:	1.1 MG/L
Chemical:	POTASSIUM		
Sample Collected:	09-SEP-13	Findings:	112. MG/L
Chemical:	CHLORIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09-SEP-13	Findings:	400. UG/L
Chemical:	BORON		
Sample Collected:	09-SEP-13	Findings:	7.2 UG/L
Chemical:	VANADIUM		
Sample Collected:	09-SEP-13	Findings:	420. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09-SEP-13	Findings:	0.64 MG/L
Chemical:	BROMIDE		
Sample Collected:	02-OCT-13	Findings:	. 200. UNITS
Chemical:	COLOR		
Sample Collected:	02-OCT-13	Findings:	. 3. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	02-OCT-13	Findings:	. 0.77 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	02-OCT-13	Findings:	. 0.45 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06-NOV-13	Findings:	. 120. UNITS
Chemical:	COLOR		
Sample Collected:	06-NOV-13	Findings:	. 2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	06-NOV-13	Findings:	. 0.73 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06-NOV-13	Findings:	. 0.97 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11-DEC-13	Findings:	. 120. UNITS
Chemical:	COLOR		
Sample Collected:	11-DEC-13	Findings:	. 2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	11-DEC-13	Findings:	. 0.77 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	11-DEC-13	Findings:	. 1.8 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08-JAN-14	Findings:	. 150. UNITS
Chemical:	COLOR		
Sample Collected:	08-JAN-14	Findings:	. 2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	08-JAN-14	Findings:	. 1.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05-FEB-14	Findings:	250. UNITS
Chemical:	COLOR		
Sample Collected:	05-FEB-14	Findings:	0.76 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	05-FEB-14	Findings:	1.5 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05-MAR-14	Findings:	. 200. UNITS
Chemical:	COLOR		
Sample Collected:	05-MAR-14	Findings:	. 2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	05-MAY-14	Findings:	. 0.886 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05-MAY-14	Findings:	. 0.548 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	05-MAY-14	Findings:	. 0.561 PCI/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	05-MAY-14	Findings:	. 1.11 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	05-MAY-14	Findings:	. 0.3 PCI/L
Chemical:	URANIUM MDA95		
Sample Collected:	05-MAY-14	Findings:	. 0.2 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	05-MAY-14	Findings:	. 3.2e-002 PCI/L
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Sample Collected:	05-MAY-14	Findings:	. 0.107 PCI/L
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.		
Sample Collected:	05-MAY-14	Findings:	. 0.418 PCI/L
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Sample Collected:	07-MAY-14	Findings:	. 200. UNITS
Chemical:	COLOR		
Sample Collected:	04-JUN-14	Findings:	. 150. UNITS
Chemical:	COLOR		
Sample Collected:	02-JUL-14	Findings:	. 150. UNITS
Chemical:	COLOR		
Sample Collected:	02-JUL-14	Findings:	. 4. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	07-AUG-14	Findings:	. 180. UNITS
Chemical:	COLOR		
Sample Collected:	07-AUG-14	Findings:	. 3. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	15-SEP-14	Findings:	. 150. UNITS
Chemical:	COLOR		
Sample Collected:	15-SEP-14	Findings:	. 722. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	15-SEP-14	Findings:	. 8.7
Chemical:	PH, LABORATORY		
Sample Collected:	15-SEP-14	Findings:	. 176. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	15-SEP-14	Findings:	. 160. MG/L
Chemical:	BICARBONATE ALKALINITY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	15-SEP-14	Findings:	. 15.7 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	15-SEP-14	Findings:	. 5.19 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	15-SEP-14	Findings:	. 26.8 MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	15-SEP-14	Findings:	. 9.6 MG/L
Chemical:	CALCIUM		
Sample Collected:	15-SEP-14	Findings:	. 0.7 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	15-SEP-14	Findings:	. 150. MG/L
Chemical:	SODIUM		
Sample Collected:	15-SEP-14	Findings:	. 1.1 MG/L
Chemical:	POTASSIUM		
Sample Collected:	15-SEP-14	Findings:	. 117. MG/L
Chemical:	CHLORIDE		
Sample Collected:	15-SEP-14	Findings:	. 420. UG/L
Chemical:	BORON		
Sample Collected:	15-SEP-14	Findings:	. 408. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	15-SEP-14	Findings:	. 0.74 MG/L
Chemical:	BROMIDE		
Sample Collected:	17-SEP-14	Findings:	. 150. UNITS
Chemical:	COLOR		
Sample Collected:	17-SEP-14	Findings:	. 2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	01-OCT-14	Findings:	. 150. UNITS
Chemical:	COLOR		
Sample Collected:	01-OCT-14	Findings:	. 2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	13-NOV-14	Findings:	. 180. UNITS
Chemical:	COLOR		
Sample Collected:	13-NOV-14	Findings:	. 3. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	08-DEC-14	Findings:	. 180. UNITS
Chemical:	COLOR		
Sample Collected:	08-DEC-14	Findings:	. 2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	12-JAN-15	Findings:	. 150. UNITS
Chemical:	COLOR		
Sample Collected:	12-JAN-15	Findings:	. 2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	09-FEB-15	Findings:	. 120. UNITS
Chemical:	COLOR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09-FEB-15	Findings:	. 2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	02-MAR-15	Findings:	. 180. UNITS
Chemical:	COLOR		
Sample Collected:	02-MAR-15	Findings:	. 3. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	11-MAY-15	Findings:	. 150. UNITS
Chemical:	COLOR		
Sample Collected:	11-MAY-15	Findings:	. 2. TON
Chemical:	ODOR THRESHOLD @ 60 C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

ENE

1/4 - 1/2 Mile

OIL_GAS

CAOG11000222240

District nun:	1	Api number:	05920355
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Occidental Petroleum Corporation		
County name:	Orange	Fieldname:	Any Field
Area name:	Any Area	Section:	2
Township:	06S	Range:	10W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Wallace C.H.	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:	CAOG11000222240		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92626	70	5

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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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.

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 Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

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.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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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Subsurface Assessment Report

Baker Street Self Storage
929 Baker Street
Costa Mesa, California

November 30, 2015
Project Number 25015-015276.01

Prepared for
De Nova Homes
3 Hughes
Irvine, California 92618

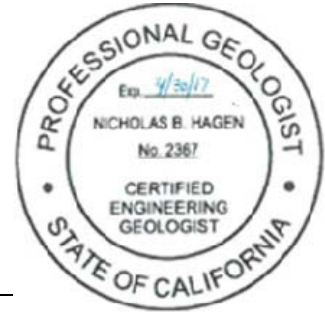


Move Forward with Confidence

Bureau Veritas North America, Inc.
1665 Scenic Avenue, Suite 200
Costa Mesa, California 92626
714.431.4100
www.us.bureauveritas.com



Bureau Veritas North America, Inc. (Bureau Veritas) has prepared this Subsurface Assessment Report for De Nova Homes. Bureau Veritas accepts responsibility for the competent performance of this assignment and preparation of this report in accordance with accepted standards of our profession.



This report prepared by:

Nicholas B. Hagen, PG, CEG, QSD
Senior Project Manager
Health, Safety, and Environmental Services
Southwest Regional Office



This report reviewed by:

Gustavo Valdivia, P.E.
Director
Health, Safety, and Environmental Services
Southwest Regional Office

November 30, 2015
Bureau Veritas Project No. 25014-015276.01



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- A. Logs of Borings
- B. Laboratory Analytical Results



1.0 INTRODUCTION

Bureau Veritas North America, Inc. (BVNA) has prepared this report for subsurface soil and soil-vapor assessment activities for the property located at 929 Baker Street in Costa Mesa, California (the "Site") (Figure 1). The assessment activities were performed for De Nova Homes, of Irvine, California. The Site was formerly used for manufacturing and other light industrial purposes and is currently is used as a self-storage facility. Current plans for the property include redevelopment for residential use. BVNA recently completed a *Phase I Environmental Site Assessment* for the Site, dated September 8, 2015 (Phase I ESA).

The objective of the soil and soil vapor sampling was to evaluate conditions that were identified in the Phase I ESA related to former agricultural and industrial use of the property, former storage of two 55-gallon drums of waste oil, aerosols, photo chemicals, and other materials at the site, clean-up of oil-impacted soil that resulted from overflow of one of the two drums, and potential subsurface conditions resulting from leaking underground storage tanks (USTs) at a neighboring property to the east of the Site.

The subsurface assessment described in this report consisted of the collection and analysis of soil samples from eighteen (18) direct-push soil borings and from twenty-two (22) soil-vapor probes installed as part of this assessment. The soil borings were advanced to a maximum depth of 10 feet. Groundwater was not encountered or assessed. The subsurface assessment was performed in accordance with *Change Order 1* dated September 11, 2015 and *Change Order 2* dated October 5, 2015, both changes to the original scope of work that included only the Phase I ESA.

2.0 SITE DESCRIPTION AND BACKGROUND

The approximately 4.7-acre subject property is developed with a two-story self-storage building containing approximately 88,800 square feet of interior floor space. The remainder of the subject property includes an area of exposed soil to the north of the self-storage building, asphalt driveways, and asphalt-paved areas for storage of RV's, trailers, and boats.

The subject property was unimproved from at least 1901 until sometime prior to 1938, when it was in agricultural use. The site was used for agriculture until sometime prior to 1963. The property was in industrial use from at least 1956 to 1986, when it was converted to a self-storage facility, utilizing existing buildings.

The Site is rectangular in shape and is generally flat, with an elevation of approximately 40 feet above mean sea level. A perimeter fence secures the property. The property is bounded by Baker Street to the north, residential properties to the west, and administrative offices of the local school district to the east. The Paularino Channel is located adjacent to the southern boundary of the Site, with residential structures beyond the Paularino Channel to the south.

The Site appears to drain northward toward Baker Street. Two concrete swales located within paved areas in the northern part of the Site flow northward to drain inlets, and



subsurface piping is presumed to connect the drain inlets to the storm drain system beneath Baker Street.

2.1 FINDINGS AND RECOMMENDATIONS OF THE PHASE I ESA

The Phase I ESA revealed the following *recognized environmental conditions*, as defined by ASTM, in connection with the subject property:

- **Former Agricultural Use** – The subject and adjoining properties appeared to be in agricultural use from at least 1938 until sometime prior to 1963. No previous soil sampling for organochlorine pesticides (OCPs) is known to have been conducted at the subject property. Based on available information, it is BVNA's opinion that the previous agricultural usage is a *recognized environmental condition*.
- **Former Industrial Use** – The subject property was in industrial use from at least 1956 through 1986. City directories listed the subject property as being occupied by Costa Mesa Knitting Mills, Deltronic Corp., Frank's Garage and High Precision Grinding in 1966. In 1970, it was listed as Deltronic Corp. and Lido Van & Storage. No releases were reported in association with these businesses. Based on available information, it is BVNA's opinion that this previous industrial usage is a *recognized environmental condition*.
- **Former Onsite Waste Oil and Hazardous Waste** – Two 55-gallon drums of waste oil were reportedly removed from the southeast corner of Site in June 2015. One of the drums was not covered, resulting in filling and overflowing with water. Oily water impacted the surrounding soil. Environmental Logistics removed the drums and impacted soil, although no report was provided. Additionally, materials including dried latex, roof tar, aerosols, sodium hydroxide solid, and photo chemicals were removed from the Site in June 2015. The materials were from storage units. Based on available information, it is BVNA's opinion that these instances represent a *recognized environmental condition*.
- **East Adjoining LUST** – Newport Mesa Unified School District, located at 2985 Bear Street on the east adjoining property, was identified in available databases as the location of four operating underground storage tanks (USTs). Reportedly, a release to soil of kerosene, Stoddard solvent/mineral spirits, or petroleum distillates occurred in 1990; this release received regulatory closure in 1990. In 1997, four USTs were removed from the Site and replaced with a 10,000 gallon gasoline UST and a 15,000 gallon diesel UST. Soil sampling indicated the presence of gasoline-range total petroleum hydrocarbons (TPH-g) and methyl tert-butyl ether (MTBE) near the dispenser island and underground piping. Soil vapor extraction and groundwater monitoring was initiated in 2007 and the Site remains the subject of ongoing remediation. Based on available information, it is BVNA's opinion that the ongoing leaking UST case at the adjoining represents a *recognized environmental condition*.

Based on the results of the Phase I ESA, BVNA recommended additional assessment to investigate the potential impacts of former agricultural use, oil release, and prior industrial use. BVNA proposed to perform soil and soil vapor sampling to assess the



potential for vapor intrusion within the proposed new residences and to assess for the presence of contaminants of concern.

2.2 SITE GEOLOGY AND HYDROGEOLOGY

The Site is located within the Coastal Plain Geomorphic Province, within an uplifted area known as Newport Mesa. Newport Mesa slopes gently northward with an elevation of 80-110 feet above seal level at the southern portion to less than 40 feet above sea level at the northern extent. Subsurface deposits are composed of alluvial sediments underlain by volcanic, marine, and non-marine sediments which overlying bedrock. Four major fault zones are of concern for the Site vicinity: the Newport-Inglewood, the Whittier, the San Andreas, and the San Jacinto Faults. Shallow soils in the vicinity of the Site reportedly consist primarily of clays and silts (City of Costa Mesa, 2000).

Based on logs of soil borings by BVNA at the Site (described below), near-surface soils are generally composed of clay and silty clay to approximately 10 feet bgs, the maximum depth of BVNA's soil borings.

The depth to the first groundwater zone beneath the Site vicinity is approximately 30-35 feet below ground surface (bgs) based on environmental data from the east adjoining leaking UST case. The general direction of groundwater flow is reported to be to the south-southwest, with a flow velocity of 10 to 50 feet per year (ADvTECH 2009).

No surface water is present on the Site. Two concrete swales located within paved areas in the northern part of the Site flow northward to on-site drain inlets, and subsurface piping is presumed to connect the drain inlets to the storm drain system beneath Baker Street. The Paularino Channel, part of the regional flood control system for the Newport Mesa, borders the Site to the south. The Paularino Channel is generally dry, although storm water flows are present during rain events.

3.0 SUBSURFACE ASSESSMENT

BVNA's sampling activities were initially performed on September 22, 2015, when eight soil borings were advanced and eight soil vapor probes were installed. Based on the results of the initial investigation, an additional ten borings were advanced on October 22, 2015. A total of eighteen soil borings, SV-1 through SV-18, and installation of twenty-two soil vapor probes were completed using GeoProbe 6600 and GeoProbe 420M direct-push rigs. One soil vapor probe was installed in each soil boring at a depth of 5 feet bgs and an additional soil vapor probe was installed at 10 feet bgs at locations SV-9, SV-10, SV-12, and SV-13. The locations of the soil borings / soil vapor probes are shown in Figure 2.

Prior to drilling activities, BVNA visited the Site to mark the boring locations and notified the local one-call center (Dig Alert) so that subsurface utilities could be identified. The soil boring locations were also cleared for subsurface utilities on September 15, 2015 and October 20, 2015 using ground-penetrating radar (GPR) electromagnetic and radio frequency instruments, by Spectrum Geophysics, Inc. of Chatsworth, California.



3.1 ADVANCEMENT OF SOIL BORINGS AND SOIL SAMPLING

Soil borings SV-1 through SV-8 were advanced using the GeoProbe 6600 by J&H Drilling of Santa Ana, California. These borings were advanced to a maximum of approximately 5.5 feet bgs. Due to limited space within the existing building, borings SV-9 through SV-18 were advanced using the GeoProbe 420M, a limited access unit, to a maximum of 10.5 feet bgs. The soils were logged in accordance with the Unified Soil Classification System (USCS) under the direction of a California-registered Professional Geologist.

Soil samples were collected from each boring at approximately 1.5 to 2 feet using a hand auger and then were collected in acetate liners from 4 feet to the bottom of each boring using samplers deployed within the direct-push rods. Soil samples were prepared for the laboratory by retaining the desired section of acetate liner, generally 6 inches in length, which was then capped and labeled. Preliminary screening for volatile organic compounds (VOCs) was performed in the field using a photo-ionization detector (PID) calibrated to hexane. Groundwater was not encountered in the soils borings during drilling. Logs of borings are included in Appendix A.

Representative soil samples were selected for laboratory analysis based on the PID measurements and field observations. Generally the soil sample from approximately 2 feet bgs and the bottom-most sample were selected from each soil boring. A total of 31 soil samples were submitted to Jones Environmental, Inc. of Santa Fe Springs, California for analysis for VOCs, petroleum hydrocarbons in the gasoline, diesel, and oil ranges (TPH-g, -d, -o), and fuel oxygenates using EPA Method 8260b. The soil samples collected from 2 feet from boring SV-1 through SV-8 were also analyzed for organo-chlorine pesticides (OCPs), and one sample from SV-6 at a depth of five feet was analyzed for Title 22 / CAM 17 trace metals. The soil samples were individually labeled, stored and transported in an ice-chilled chest and chain-of-custody procedures were utilized.

Following soil sampling, the borings were utilized to construct soil vapor probes as described below.

3.2 INSTALLATION AND SAMPLING OF SOIL VAPOR PROBES

A soil vapor probe was installed at each of borings SV-1 through SV-18 (Figure 2) at a depth of 5 feet bgs. An additional soil vapor probe was installed at 10 feet at locations SV-9, SV-10, SV-12, and SV-13. The construction of each soil vapor probe consisted of ¼-inch diameter Nylaflo tubing connected to a filter implant, and a #3 sand filter-pack emplaced at the depth of the implant (6 inches above / below the implant). A seal composed of hydrated bentonite granules was constructed above each filter pack. Following installation, soil vapor samples were collected from the probes.

Soil vapor samples from probes SV-1 through SV-8 were collected by Bureau Veritas in Summa canisters and transported to Jones Environmental, Inc. for analysis using EPA Method TO-15.



Samples from probes SV-9 through SV-18 were collected by field technicians from Jones Environmental, Inc. and analyzed utilizing their mobile laboratory at the Site. These samples were collected in gas-tight glass syringes equipped with Teflon plungers. Three well volumes were purged from each well prior to sampling as recommended by California Department of Toxic Substances Control / California Regional Water Quality Control Board (DTSC/CRWQCB) guidance. This purge volume is recommended for representative soil vapor samples.

A tracer gas mixture of n-propanol and n-pentane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the EPA Method 8260B analyses to determine if there were surface leaks into the borehole due to improper installation of the bentonite seal. The tracer gas compounds n-propanol or n-pentane were not found in any of the samples.

The sampling rate was approximately 200 cc/min. Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the aboveground fittings. The shut-in test was performed on the aboveground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for a period of time. 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.

Soil vapor samples were analyzed using EPA Method 8260 that included additional compounds (such as Freon 113) required by DTSC/CRWQCB. Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Ambient Air Blanks were analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) were analyzed with each batch of soil vapor samples. One duplicate sample was also analyzed. Each analysis for the soil vapor samples was initiated within 30 minutes of sampling.

3.3 LABORATORY ANALYTICAL RESULTS

Soil

A total of 31 soil samples were analyzed. Generally a soil sample from approximately two feet bgs and the bottom-most sample from each soil boring were selected. The soil samples were analyzed for petroleum hydrocarbons, VOCs, and fuel oxygenates using EPA Methods 8260B and 8015. Eight soil samples, from a depth of 1.5 feet from each of borings SV-1 through SV-8, were also analyzed for OCPs using EPA Methods 8081B. One soil sample (SV-6 at 5 feet) was also analyzed for trace metals using EPA Method 6010B/7147A. A summary of analytical results for the soil samples is shown in Tables 1 and 2. The laboratory report and chain-of-custody forms are included in Appendix B.

Laboratory results for soil samples selected for analysis are summarized as follows:

- VOCs including cis-1,2-dichloroethene (Cis-1,2-DCE) and trichloroethylene (TCE) were detected at low levels in soil samples from borings SV-8, SV-9, and



SV-18. The maximum concentrations detected for cis-1,2-DCE and TCE were 28 micrograms ($\mu\text{g}/\text{kg}$) and 48.3 micrograms $\mu\text{g}/\text{kg}$, respectively.

- OCPs including 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT were detected at low levels in soil samples collected at 1.5 feet bgs from borings SV-2 through SV-5, with a maximum concentration of 6.6 $\mu\text{g}/\text{kg}$ for 4,4'-DDE in boring SV-3.
- TPH-g, TPH-D, and fuel oxygenates were not detected in any of the soil samples.
- TPH-o was detected in one soil sample collected from boring SV-6 at a depth of 5 feet, at a concentration of 1,460 milligrams per kilogram (mg/kg).
- Trace metals were detected in one sample that was analyzed for metals, collected at a depth for 5 feet from boring BV-6, at concentrations that were generally consistent with natural background levels.

None of the reported concentrations for the detected chemical compounds exceeded regulatory guidance concentrations except for TPH-o in the 5-ft soil sample from BV-6. The concentration of 1,460 mg/kg exceeds the EPA Regional Screening Level (RSL) of 82-520 mg/kg (this range is based on the assumption that the TPH-o is primarily composed of low to medium aliphatic and/or aromatic compounds). This concentration also exceeds the San Francisco Regional Water Quality Control Board (CRWQCB-SF) Environmental Screening Level (ESL) of 100 mg/kg . The ESLs were developed for use in the Bay Area but can be used to provide conservative guidance thresholds for chemical compounds for which other appropriate guidance is not available.

Soil Vapor

Soil vapor samples were analyzed by a Jones Environmental, Inc. mobile laboratory for VOCs, fuel oxygenates, and TPH-g using EPA Method TO-15 (SV-1 through SV-8) and EPA Method 8260b (SV-9 through SV-18). A summary of analytical data for these constituents is shown in Table 3. The laboratory data report and chain-of-custody forms are included in Appendix B and results are summarized below:

- TPH-g was not detected in any of the 22 soil vapor samples that were analyzed.
- Benzene was detected in seven soil vapor samples ranging from 0.010 $\mu\text{g}/\text{L}$ in sample SV-3-5 to 0.383 $\mu\text{g}/\text{L}$ in sample SV-1-5. The benzene concentration in four soil vapor samples exceeded the ESL of 0.042 $\mu\text{g}/\text{L}$ as shown in Table 3.
- Ethylbenzene, toluene, and total xylenes were detected at low levels in one or more of the samples SV-1-5 through SV-8-5, at concentrations below regulatory guidance levels. These compounds were not detected in the remaining soil vapor samples.
- Cis-1,2-DCE was detected in six soil vapor samples ranging from 0.043 $\mu\text{g}/\text{L}$ in sample SV-3-5 to 7.0 $\mu\text{g}/\text{L}$ in sample SV-8-5, which exceeds the ESL of 3.7 $\mu\text{g}/\text{L}$.
- Tetrachloroethylene (PCE) was detected in ten soil vapor samples ranging from 0.003 in samples SV-3-5 and SV-8-5 to 1.28 $\mu\text{g}/\text{L}$ in sample SV-10-10. The values of 0.644 $\mu\text{g}/\text{L}$, 0.758 $\mu\text{g}/\text{L}$, and 1.28 $\mu\text{g}/\text{L}$ reported for samples SV-9-10,



SV-12-10, and SV-10-10, respectively, exceed the ESL of 0.210 µg/L for PCE in subsurface soil vapor for residential property.

- TCE was detected in 18 soil vapor samples ranging from 0.007 in sample SV-1-5 to 16.5 µg/L in sample SV-8-5. The concentrations reported for seven samples exceeded the ESL of 0.036 µg/L for TCE in subsurface soil vapor for residential property, as shown in Table 3.
- Vinyl Chloride was detected in sample SV-8-5 at 0.219 µg/L, which exceeds the ESL of 0.160 µg/L.
- Low concentrations of additional chemical compounds that were well below regulatory guidance levels were also detected in some of the soil vapor samples. These results are shown in the laboratory report.

4.0 SCREENING LEVEL RISK ASSESSMENT

Soil

Applicable thresholds for VOCs, OCPs, and TPH in soil samples included the CRWQCB-SF ESLs updated December 2013 and U.S. EPA Region 9 RSLs, updated June 2015.

None of the reported concentrations for the detected chemical compounds in soil samples exceeded regulatory guidance concentrations except for TPH-o in the 5-ft soil sample from BV-6. The concentration of 1,460 mg/kg exceeds the EPA residential RSL of 82-520 mg/kg (this range is based on the assumption that the TPH-o is primarily composed of low to medium aliphatic and/or aromatic compounds). This concentration also exceeds the CRWQCB residential ESL of 100 mg/kg (Table 1).

Trace metals were detected in one sample, collected at a depth of 5 feet from boring BV-6, at concentrations that were generally consistent with natural background levels (Table 2). Only the single soil sample was analyzed for metals during this subsurface investigation.

Soil Vapor

The laboratory results for soil vapor were compared to the CRWQCB-SF ESLs, EPA vapor intrusion guidance based on the RSLs, and to the California Office of Environmental Health Hazard Assessment (OEHHA) Screening Numbers (updated September 2010). A summary of the comparisons of the detected compounds to the screening levels is included in Table 3 and described below.

The CRWQCB-SF ESLs provide the lowest thresholds for chemical compounds in soil vapor samples and for the purpose of this report are assumed to be appropriate conservative screening concentrations.

As described in Section 3.3, benzene, cis-1,2-DCE, PCE, TCE, and vinyl chloride were detected at levels that exceeded the ESLs. Of these results, TCE is of the greatest



concern based on the magnitude of the exceedances (from 1.6 to 55 times the CRWQCB-SF residential ESL) and the number of samples that exceeded the ESL (7 soil vapor samples).

5.0 CONCLUSIONS AND RECOMMENDATIONS

Following are our conclusions and recommendations based on the results of the limited subsurface investigation.

5.1 CONCLUSIONS

Soil

A total of 31 soil samples were collected from the Site and analyzed for VOCs, OCPs, and TPH as described above. The soil samples were analyzed for petroleum hydrocarbons, VOCs, and fuel oxygenates using EPA Methods 8260B and 8015. Eight soil samples, from a depth of 1.5 feet from each of borings SV-1 through SV-8, were also analyzed for OCPs using EPA Methods 8081B. One soil sample (SV-6 at 5 feet) was also analyzed for trace metals using EPA Method 6010B/7147A. A summary of analytical results for the soil samples is shown in Tables 1 and 2.

In summary, low concentrations of the VOCs cis-1,2-DCE and TCE were detected in four soil samples and OCPs 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT were also detected in four soil samples. TPH-o was detected in one soil sample collected from boring SV-6 at a depth of 5 feet, at a concentration of 1,460 milligrams per kilogram (mg/kg). Trace metals were detected in one sample that was analyzed for metals, collected at a depth of 5 feet from boring BV-6, at concentrations that were generally consistent with natural background levels.

None of the reported concentrations for the detected chemical compounds exceeded regulatory guidance concentrations except for TPH-o in the 5-ft soil sample from BV-6. The concentration of 1,460 mg/kg exceeds the EPA Regional Screening Level (RSL) of 82-520 mg/kg (based on the assumption that the TPH-o is primarily composed of low to medium aliphatic and/or aromatic compounds). This concentration also exceeds the CRWQCB-SF ESL of 100 mg/kg.

Based on the detection of the VOCs, OCPs, and TPH-o, there is the possibility that these compounds will be encountered in soil during future grading and construction activities at the Site.

Soil Vapor

A total of 22 soil vapor samples were analyzed for VOCs, fuel oxygenates, and TPH-g as described above. A summary of analytical data for these constituents is shown in Table 3.



In summary, benzene was detected in four soil vapor samples at concentrations that exceeded the ESL of 0.042 µg/L for residential property, cis-1,2-DCE was detected in one soil vapor sample that exceeded the ESL of 3.7 µg/L, PCE was detected in three soil vapor samples that exceeded the ESL of 0.210 µg/L, and vinyl chloride was detected in one soil vapor sample at a concentration that exceeded the ESL. Notably, TCE was detected in seven samples that exceeded the ESL of 0.036 µg/L.

Based on the results of the subsurface assessment, benzene, cis-1,2-DCE, PCE, TCE, and vinyl chloride were detected at levels in subsurface soil vapor in the northeastern portion of the Site that potentially could result in vapor intrusion into overlying structures at concentrations that would be of concern.

5.2 RECOMMENDATIONS

The historical use of the property and the previous Phase I ESA evaluation did not reveal public records or visual evidence to indicate heavy use of petroleum hydrocarbons or solvents at the property (no clarifiers, USTs or similar subsurface features were found) Furthermore our Phase II investigation evaluated multiple locations in a grid pattern to assess potential unreported releases that may have occurred in the property. Based on the evaluation of these results, additional environmental investigation does not appear to be warranted. However, BVNA offers the following recommendations:

- Based on the presence of low levels of VOCs in soil samples from borings SV-8, SV-9, and SV-18, OCPs in soil samples from borings SV-2 through SV-5, and the exceedance of TPH-o in soil sample SV-6-5, we recommend that a soil management plan (SMP) be developed prior to Site redevelopment and available for use during grading activities. The SMP should provide guidelines for safety measures and soil management in the event that soils are to be disturbed, and for handling soil during any planned earthwork activities at the Site. These guidelines are to be utilized by parties involved in activities where ground disturbance of onsite soil will occur (i.e., excavation, grading, landscaping). The SMP should also present a decision framework and specific risk management measures for managing soil in a manner protective of human health and consistent with applicable regulatory requirements.
- Observations should be made by the contractor(s) during future grading, utility trenching, and footing excavations for the presence unknown buried structures, containers, debris, and/or soil potentially impacted by chemicals compounds or fuel and oil hydrocarbons. Indications of impacted soil may include chemical or fuel odors, unusual coloration, apparent moisture, and staining. If any of the above are encountered, a qualified environmental professional should be consulted to provide field monitoring using appropriate instrumentation, such as a photoionization detector (PID), and to assist with segregation of excavated material for proper disposal at a licensed waste-handling facility.
- Based on the results of soil vapor sampling, benzene, cis-1,2-DCE, PCE, TCE, and vinyl chloride are present in subsurface soil vapor at levels that potentially could result in vapor intrusion into overlying structures at concentrations that



would be of concern. The affected area is primarily within the northeast quadrant of the Site. To mitigate the vapor intrusion potential, we recommend the installation of an appropriately designed vapor barrier beneath future structures that overlie the locations where chemical compounds were detected at levels above the ESLs. Vapor barrier design activities should include consideration of the materials and methods to be used during vapor barrier installation as well as the locations where the vapor barriers are necessary, including a buffer zone. The vapor barriers should be installed prior to emplacement of concrete floor slabs and footings. Below-ground ventilation lines should also be constructed, prior to concrete work, so that chemical vapors will not be trapped below the concrete floor slabs. The ventilation lines should be open to the exterior of the structures, preferably at least 8 feet above the ground surface.

6.0 RELIANCE

This subsurface investigation is based upon current Site conditions known by BVNA and current laws, policies, and regulations. The information and opinions rendered in this report are exclusively for use by De Nova Homes. BVNA will not distribute or publish this report without consent except as required by law or court order. The information and opinions expressed in this report are given in response to a limited assignment and should be considered and implemented only in light of that assignment. The services provided by BVNA in completing this project were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.

7.0 REFERENCES

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TABLES

Table 1. Summary of Results for Soil Samples - VOCs, OCPs, and TPH
929 Baker Street, Costa Mesa, CA

Boring ID	Date	Depth (ft.)	Field Screening - PID (ppmv)	Sample ID	EPA Method 8260B Volatile Organic Compounds			EPA Method 8081 Organo Chlorine Pesticides			EPA Method 8015 Diesel and Oil Range Organics	
					cis-1,2-Dichloroethene (cis-1,2-DCE) (µg/kg)	Trichloroethylene (TCE) (µg/kg)	Total Petroleum Hydrocarbons - Gasoline Range (µg/kg)	4,4'-DDD (DDD) (µg/kg)	4,4'-DDE (DDE) (µg/kg)	4,4'-DDT (DDT) (µg/kg)	Total Petroleum Hydrocarbons - Diesel Range (mg/kg)	Total Petroleum Hydrocarbons - Oil Range (mg/kg)
SV 1	9/21/15	1.5	NA	1-18"	ND (<10)	ND (<10)	NA	ND (<2)	ND (<2)	ND (<2)	NA	NA
SV-1	9/21/15	5	NA	1-5'	ND (<10)	ND (<10)	ND (<500)	NA	NA	NA	ND (<10)	ND (<50)
SV-2	9/21/15	1.5	NA	2-18"	ND (<10)	ND (<10)	NA	5.65	5.60	5.94	NA	NA
SV-2	9/21/15	5	NA	2-5'	ND (<10)	ND (<10)	ND (<500)	NA	NA	NA	ND (<10)	ND (<50)
SV-3	9/21/15	1.5	NA	3-18"	ND (<10)	ND (<10)	NA	4.94	6.60	ND (<4)	NA	NA
SV-3	9/21/15	5	NA	3-5'	ND (<10)	ND (<10)	ND (<500)	NA	NA	NA	ND (<10)	ND (<50)
SV-4	9/21/15	1.5	NA	4-18"	ND (<10)	ND (<10)	NA	ND (<4)	4.37	ND (<4)	NA	NA
SV-4	9/21/15	5	NA	4-5'	ND (<10)	ND (<10)	ND (<500)	NA	NA	NA	ND (<10)	ND (<50)
SV-5	9/21/15	1.5	NA	5-18"	ND (<10)	ND (<10)	NA	ND (<4)	4.51	ND (<4)	NA	NA
SV-5	9/21/15	5	NA	5-5'	ND (<10)	ND (<10)	ND (<500)	NA	NA	NA	ND (<10)	ND (<50)
SV-6	9/21/15	1.5	NA	6-18"	ND (<10)	ND (<10)	NA	ND (<4)	ND (<4)	ND (<4)	NA	NA
SV-6	9/21/15	5	NA	6-5'	ND (<10)	ND (<10)	ND (<500)	NA	NA	NA	ND (<10)	1,460
SV-7	9/21/15	1.5	NA	7-18"	ND (<10)	ND (<10)	NA	ND (<4)	ND (<4)	ND (<4)	NA	NA
SV-7	9/21/15	5	NA	7-5'	ND (<10)	ND (<10)	ND (<500)	NA	NA	NA	ND (<10)	ND (<50)
SV-8	9/21/15	1.5	NA	8-18"	ND (<10)	ND (<10)	NA	ND (<4)	ND (<4)	ND (<4)	NA	NA
SV 8	9/21/15	5	NA	8-5'	14.1	48.3	ND (<500)	NA	NA	NA	ND (<10)	ND (<50)
SV-9	10/22/15	2	0.5	SV9 2-2.5	28	2.9	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-9	10/22/15	4.5	0	SV9 4.5-5	10	23.9	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-9	10/22/15	9.5	1.3	SV9 9.5-10	4.6	13.9	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-10	10/22/15	2	5.6	SV10 2-2.5	ND (<1)	ND (<1)	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-10	10/22/15	9.5	1.7	SV10 9.5-10	ND (<1)	ND (<1)	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-11	10/22/15	4.5	7.5	SV11 4.5-5	ND (<1)	ND (<1)	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-12	10/22/15	4.5	0	SV12 4.5-5	ND (<1)	ND (<1)	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-12	10/22/15	9.5	0	SV12 9.5-10	ND (<1)	ND (<1)	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-13	10/22/15	4.5	0	SV13 4.5-5	ND (<1)	ND (<1)	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-13	10/22/15	9.5	0	SV13 9.5-10	ND (<1)	ND (<1)	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-14	10/22/15	4.5	7.4	SV14 4.5-5	ND (<1)	ND (<1)	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-15	10/22/15	4.5	9.0	SV15 4.5-5	ND (<1)	ND (<1)	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-16	10/22/15	4.5	0.8	SV16 4.5-5	ND (<1)	ND (<1)	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-17	10/22/15	4.5	4.2	SV17 4.5-5	ND (<1)	ND (<1)	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
SV-18	10/22/15	4.5	10.6	SV18 4.5-5	3.6	1.4	ND (<200)	NA	NA	NA	ND (<1)	ND (<1)
San Francisco Regional Water Quality Control Board - Environmental Screening Levels (ESLs), December 2013. (units in ug/kg)				Residential	190	460	100,000	2,400	1,700	1,700	100	100
				Commercial	190	460	500,000	10,000	4,000	4,000	110	500
United States Environmental Protection Agency (EPA), Region 9 - Regional Screening Levels (RSLs), October 2015. (units in ug/kg)				Residential	160,000	940	82,000	2,300	2,000	1,900	various	82-520 ¹
				Commercial	2,300,000	6,000	420,000	9,600	9,300	8,500	various	600-2200 ¹

Explanation:

NA = Not Analyzed

ppmv = parts per million by volume

ND (< 0.020) = Compound not detected above the indicated minimum laboratory reporting limit

ug/kg: micrograms per kilogram

mg/kg: milligrams per kilogram

ft: feet



Table 2. Summary of Results for Soil Samples - Title 22 / CAM 17 Metals
929 Baker Street, Costa Mesa, CA

Boring ID	Date	Depth (ft.)	Sample ID	CCR Title 22 Trace Metals by EPA Method 6010B and 7147A (Mercury) (units in mg/kg)									
				Arsenic	Barium	Cobalt	Chromium	Copper	Mercury	Nickel	Lead	Vanadium	Zinc
SV-6	9/21/2015	5	6-5'	1.13	17.3	1.77	10.3	5.11	ND (<0.05)	9.75	6.43	15.8	12.7
California Benchmark Soils (Kearney Study, March 1996) (units in µg/kg)			Background	0.6-11 (3.5)	133-1,400 (509)	27-46.9 (14.9)	23-1,579 (122)	9.1-96.4 (28.7)	0.05-0.9 (0.26)	9-509 (57)	12.4-97.1 (23.9)	39-288 (112)	88-236 (149)
Naturally Occurring Concentrations of Inorganic Chemicals in Ground Water and Soil at California Air Force Installations (Hunter, 2001) (units in µg/kg)			Background	12.7, 23.2	320, 584	22, 35.9	49.4, 100	53.3, 157	0.3, 0.6	41.5, 85.4	25, 148	88.3, 126	104, 307
Office of Environmental Health Hazard Assessment (OEHHA), Table 1. Soil Screening Numbers, September 23, 2010			Residential	0.07	5,200	660	17 (Cr6+) 100,000 (Cr3+)	3,000	18	1,600	80	530	23,000
EPA RSLs June 2015			Residential	0.68	15,000	23.0	0.3 (Cr6+)	3,100	9.4	820	400	390	23,000
STLC			mg/L	5	100	80	5	25	0.20	20	5	24	250

Explanation:

0.6-11 (3.5): range and mean values for indicated reference

91.5 Value appears to be above background level based on the remainder of samples collected from the Site during this assessment.

STLC: Soluble Threshold Limit Concentration (10x the STLC value is compared to the trace metals result to determine the need to run STLC analysis)



**Table 3. Summary of Results for Soil Vapor Samples
929 Baker Street, Costa Mesa, California**

Soil Vapor Probe	Sample Date	Probe Depth (ft. bgs)	Sand Pack Interval (ft. bgs)	Sample ID	Volatile Organic Compounds (µg/L)							
					Benzene	Cis-1,2-Dichloroethene	Ethylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Vinyl Chloride	Total Xylenes
SV-1	9/22/15	5	4.5-5.5	SV-1-5	0.383	ND (<0.002)	0.001	ND (<0.002)	0.018	0.007	ND (<0.002)	0.027
SV-2	9/22/15	5	4.5-5.5	SV-2-5	0.016	ND (<0.002)	ND (<0.003)	ND (<0.002)	0.010	ND (<0.003)	ND (<0.002)	0.008
SV-3	9/22/15	5	4.5-5.5	SV-3-5	0.010	0.043	ND (<0.003)	0.003	0.005	0.018	ND (<0.002)	0.004
SV-4	9/22/15	5	4.5-5.5	SV-4-5	0.049	ND (<0.002)	0.006	0.014	0.025	ND (<0.003)	ND (<0.002)	0.030
SV-5	9/22/15	5	4.5-5.5	SV-5-5	0.017	ND (<0.002)	ND (<0.003)	0.005	0.009	ND (<0.003)	ND (<0.002)	0.007
SV-6	9/22/15	5	4.5-5.5	SV-6-5	ND (<0.002)	ND (<0.002)	0.006	0.183	0.014	ND (<0.003)	ND (<0.002)	0.029
SV-7	9/22/15	5	4.5-5.5	SV-7-5	0.057	0.197	0.009	0.158	0.030	1.1	ND (<0.002)	0.047
SV-8	9/22/15	5	4.5-5.5	SV-8-5	0.100	7.0	0.010	0.003	0.045	16.5	0.219	0.044
SV-9	10/22/15	5	4.5-5.5	SV-9-5	ND (<0.008)	2.06	ND (<0.008)	0.030	ND (<0.008)	2.25	ND (<0.008)	ND (<0.008)
SV-9	10/22/15	10	9.5-10.5	SV-9-10	ND (<0.008)	0.234	ND (<0.008)	0.644	ND (<0.008)	3.16	ND (<0.008)	ND (<0.008)
SV-10	10/22/15	5	4.5-5.5	SV-10-5	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	0.47	ND (<0.008)	ND (<0.008)
SV-10	10/22/15	10	9.5-10.5	SV-10-10	ND (<0.008)	1.55	ND (<0.008)	1.28	ND (<0.008)	15.3	ND (<0.008)	ND (<0.008)
SV-11	10/22/15	5	4.5-5.5	SV-11-5	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	0.105	ND (<0.008)	ND (<0.008)
SV-12	10/22/15	5	4.5-5.5	SV-12-5	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	0.028	ND (<0.008)	ND (<0.008)
SV-12	10/22/15	10	9.5-10.5	SV-12-10	ND (<0.008)	ND (<0.008)	ND (<0.008)	0.758	ND (<0.008)	2.81	ND (<0.008)	ND (<0.008)
SV-13	10/22/15	5	4.5-5.5	SV-13-5	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	0.012	ND (<0.008)	ND (<0.008)
SV-13	10/22/15	10	9.5-10.5	SV-13-10	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	0.132	ND (<0.008)	ND (<0.008)
SV-14	10/22/15	5	4.5-5.5	SV-14-5	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	0.041	ND (<0.008)	ND (<0.008)
SV-15	10/22/15	5	4.5-5.5	SV-15-5	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	0.037	ND (<0.008)	ND (<0.008)
SV-16	10/22/15	5	4.5-5.5	SV-16-5	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)
SV-17	10/22/15	5	4.5-5.5	SV-17-5	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	0.041	ND (<0.008)	ND (<0.008)
SV-18	10/22/15	5	4.5-5.5	SV-18-5	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	ND (<0.008)	0.224	ND (<0.008)	ND (<0.008)
San Francisco Regional Water Quality Control Board - Environmental Screening Levels (ESLs), December 2013. (units in µg/L)	Residential	0.042	3.7	0.49	0.21	160	0.30	0.16	52			
	Commercial	0.4	31	4.9	2.1	1300	3.0	1.60	440			
California Office of Environmental Health Hazard Assessment (OEHHA) - Table 2. Soil Gas Screening Numbers for Volatile Chemicals below Buildings Constructed with Engineered Fill below Sub-Slab Gravel, September 2010 (units in µg/L).	Residential	0.085	NE	1.1	0.47	320	1.3	0.028	740			
	Commercial	0.28	NE	3.6	1.6	890	4.4	0.095	2,100			
EPA OSWER Vapor Intrusion Assessment Calculator (VISL) - Subslab Exterior Soil Gas Concentrations (units in µg/L)	Residential	0.012	NE	0.037	0.36	170	0.016	0.006	3.5			
	Commercial	0.052	NE	0.16	1.6	730	0.10	0.093	15			

Explanation:

Note: Soil Vapor samples analyzed using EPA Method 8260b (SV-9 through SV-18) and EPA Method TO-15 (SV-1 through SV-8)

ND (< 0.020): Compound not detected above the indicated minimum laboratory reporting limit

ug/L: micrograms per liter

NE - value not established

0.222 Exceeds San Francisco Regional Water Qu: The value exceeds the CRWQCB-SF ESL for residential land use for the constituent indicated. The value may also exceed one or more of the other guidance criteria shown.

ft. bgs: feet below ground surface

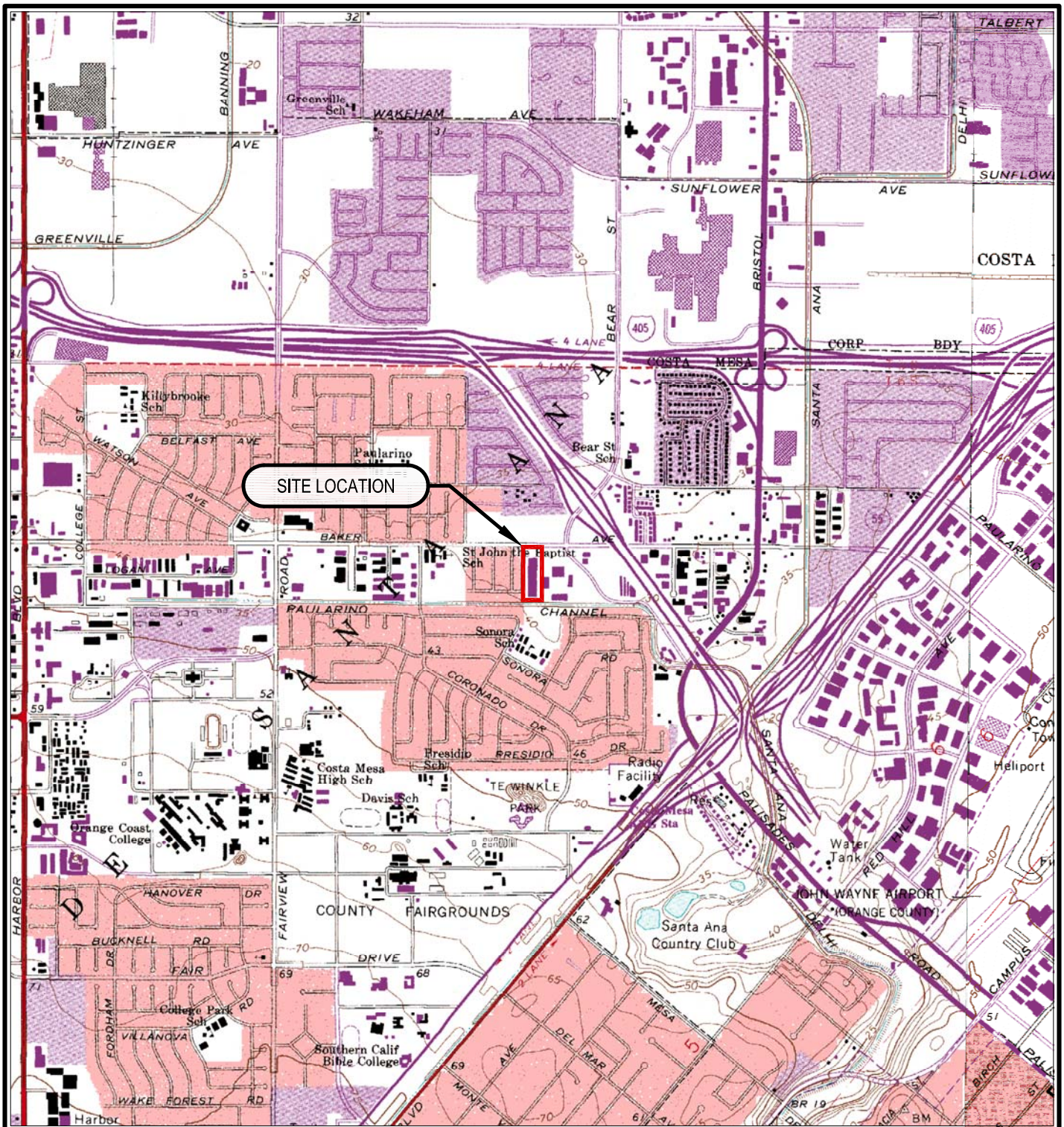
EPA OSWER = U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response

SV10-5 The result for Trichloroethylene for SV10-5 Rep (a field duplicate sample) exceeded the original sample and is shown in the table





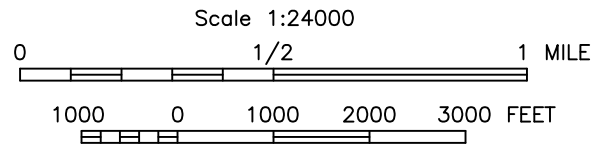
FIGURES



SITE LOCATION



QUADRANGLE LOCATION



(SOURCE OF MAP IS USGS 7.5 MINUTE QUADRANGLE MAP, NEWPORT BEACH (1981), CALIFORNIA)



CHECK BY	SB
DRAWN BY	JL
DATE	9/2/2015
SCALE	AS SHOWN
CAD NO.	015276.00A
PRJ NO.	25015-015276.00

SITE LOCATION MAP

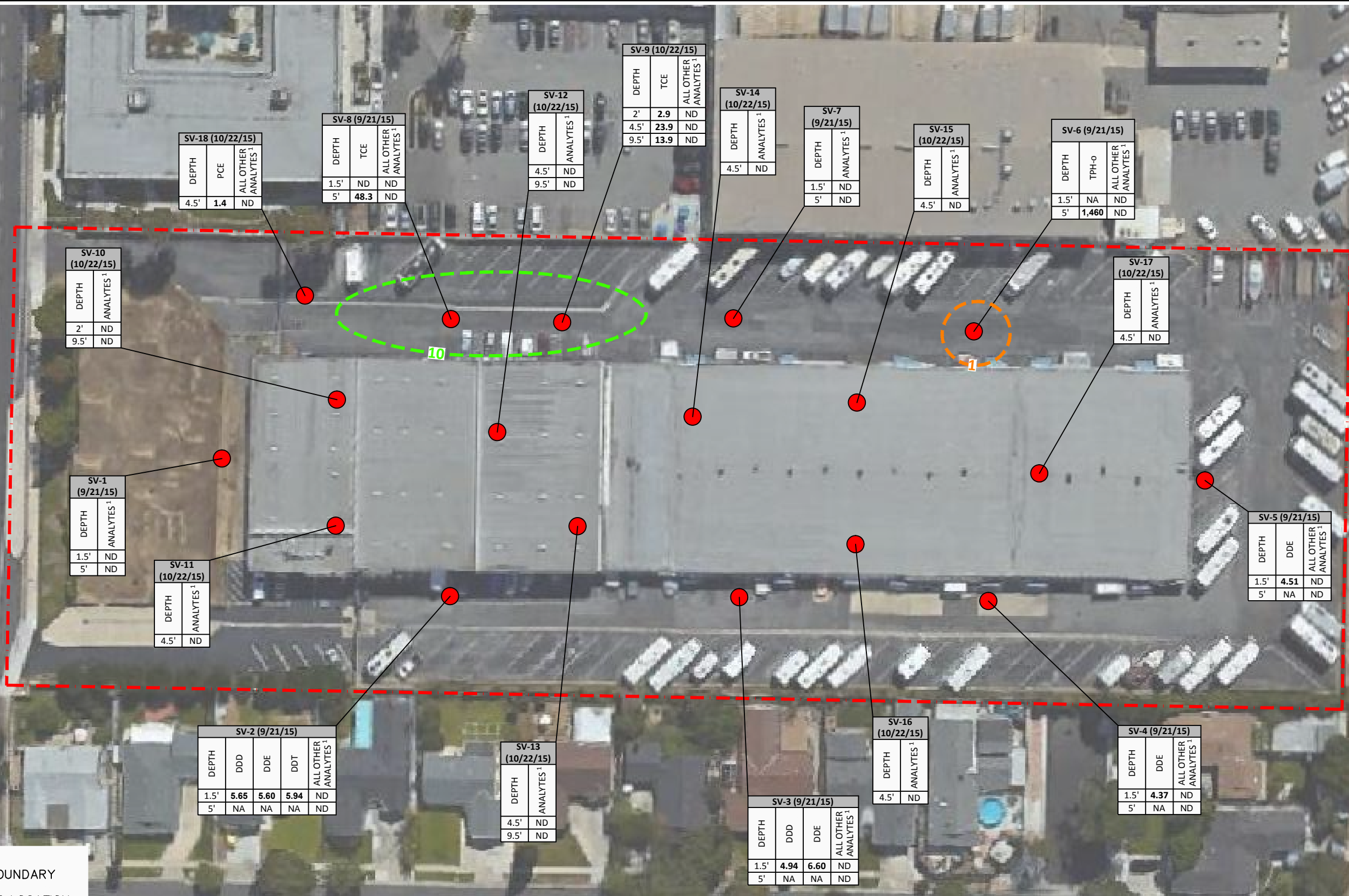
 DE NOVA HOMES
 929 BAKER STREET
 COSTA MESA, CALIFORNIA



FIGURE

1

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SV-10 (10/22/15)	
DEPTH	ANALYTES ¹
2'	ND
9.5'	ND

SV-1 (9/21/15)	
DEPTH	ANALYTES ¹
1.5'	ND
5'	ND

SV-11 (10/22/15)	
DEPTH	ANALYTES ¹
4.5'	ND

SV-2 (9/21/15)				
DEPTH	DDD	DDE	DDT	ALL OTHER ANALYTES ¹
1.5'	5.65	5.60	5.94	ND
5'	NA	NA	NA	ND

SV-13 (10/22/15)	
DEPTH	ANALYTES ¹
4.5'	ND
9.5'	ND

SV-3 (9/21/15)			
DEPTH	DDD	DDE	ALL OTHER ANALYTES ¹
1.5'	4.94	6.60	ND
5'	NA	NA	ND

SV-16 (10/22/15)	
DEPTH	ANALYTES ¹
4.5'	ND

SV-4 (9/21/15)		
DEPTH	DDE	ALL OTHER ANALYTES ¹
1.5'	4.37	ND
5'	NA	ND

SV-5 (9/21/15)		
DEPTH	DDE	ALL OTHER ANALYTES ¹
1.5'	4.51	ND
5'	NA	ND

SV-17 (10/22/15)	
DEPTH	ANALYTES ¹
4.5'	ND

SV-6 (9/21/15)		
DEPTH	TPH-o	ALL OTHER ANALYTES ¹
1.5'	NA	ND
5'	1,460	ND

SV-15 (10/22/15)	
DEPTH	ANALYTES ¹
4.5'	ND

SV-7 (9/21/15)	
DEPTH	ANALYTES ¹
1.5'	ND
5'	ND

SV-14 (10/22/15)	
DEPTH	ANALYTES ¹
4.5'	ND

SV-9 (10/22/15)		
DEPTH	TCE	ALL OTHER ANALYTES ¹
2'	2.9	ND
4.5'	23.9	ND
9.5'	13.9	ND

SV-12 (10/22/15)	
DEPTH	ANALYTES ¹
4.5'	ND
9.5'	ND

SV-8 (9/21/15)		
DEPTH	TCE	ALL OTHER ANALYTES ¹
1.5'	ND	ND
5'	48.3	ND

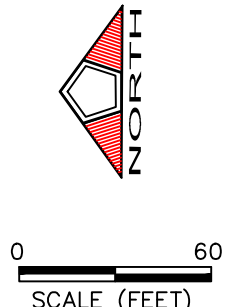
SV-18 (10/22/15)		
DEPTH	PCE	ALL OTHER ANALYTES ¹
4.5'	1.4	ND

LEGEND

- - - SITE BOUNDARY
- SAMPLE LOCATION
- NA NOT ANALYZED
- ND NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
- - - TCE/PCE ISOCONCENTRATION CONTOUR (µg/L)
- - - TPH-o ISOCONCENTRATION CONTOUR (µg/L)

ALL RESULTS SHOWN IN µg/kg

NOTE 1: ONLY TPH-g, BENZENE, PCE, TCE, DDD, DDE, AND DDT RESULTS SHOWN



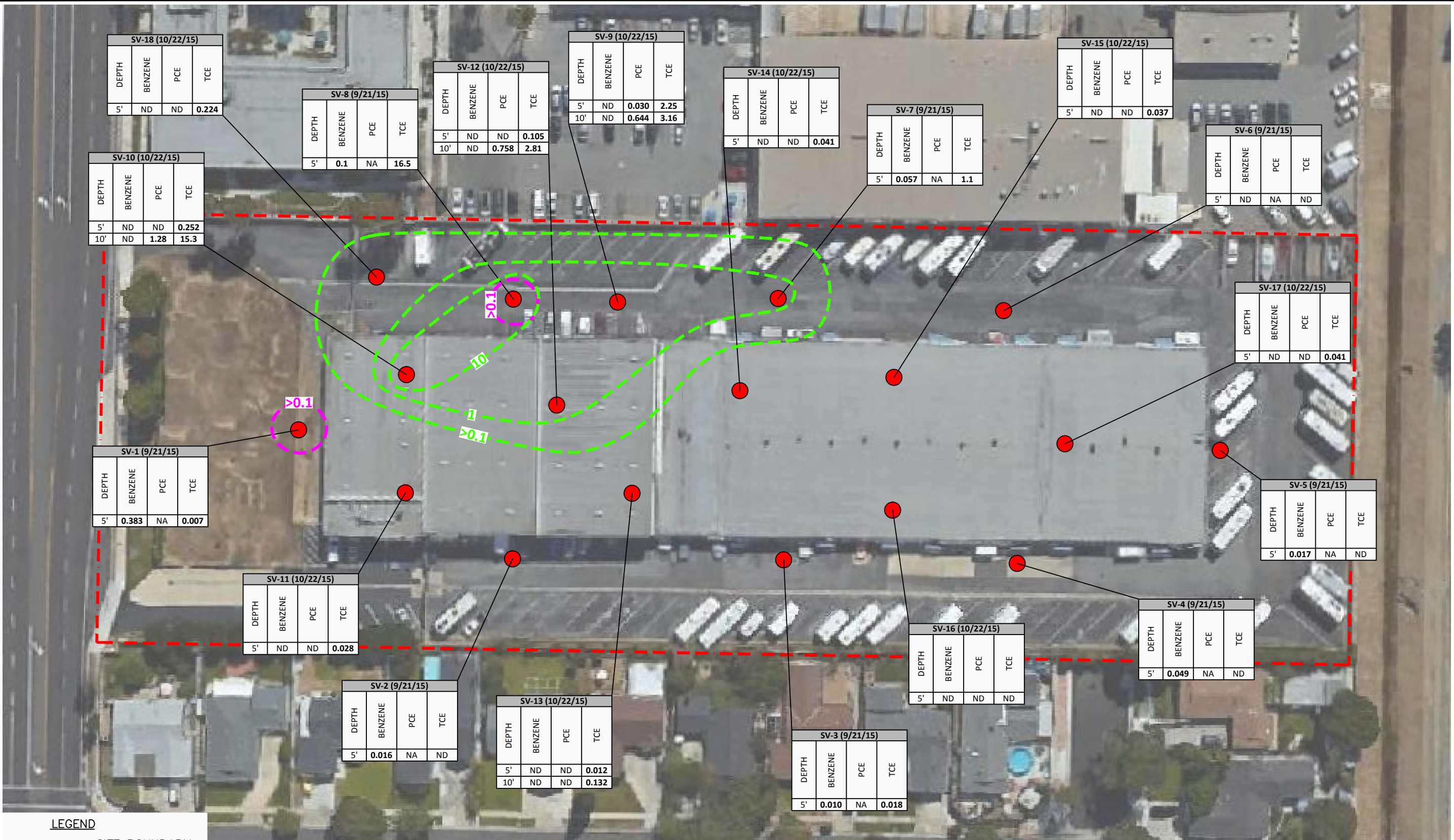
BUREAU VERITAS
 Bureau Veritas North America, Inc.
 Health, Safety, and Environmental Services
 1665 Scenic Avenue, Suite 200
 Costa Mesa, CA 92626
 Main: (714) 431-4100
 Fax: (714) 825-0685
 www.us.bureauveritas.com

DATE:	10/28/15
DRAWN BY:	BJH
CHECKED BY:	NBH
PROJECT NO.:	25015-015276.01
CAD NO.:	01527601-02

SOIL SAMPLE RESULTS
DE NOVA HOMES 929 BAKER STREET COSTA MESA, CA

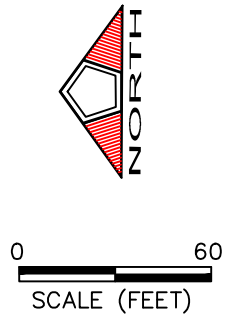
FIGURE
2

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LEGEND

- - - SITE BOUNDARY
- SAMPLE LOCATION
- NA NOT ANALYZED
- ND NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
- BENZENE ISOCONCENTRATION CONTOUR (µg/L)
- TCE ISOCONCENTRATION CONTOUR (µg/L)
- ALL RESULTS SHOWN IN µg/L



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 Health, Safety, and Environmental Services
 1665 Scenic Avenue, Suite 200
 Costa Mesa, CA 92626
 Main: (714) 431-4100
 Fax: (714) 825-0685
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DATE:	10/28/15
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SOIL VAPOR SAMPLE RESULTS	
DE NOVA HOMES 929 BAKER STREET COSTA MESA, CA	

FIGURE
3



APPENDICES



APPENDIX A
LOGS OF BORINGS



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BORING NUMBER SV-1

PAGE 1 OF 1

CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>9/22/15</u> COMPLETED <u>9/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>SB</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 14:59 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
				0.5	Asphalt Pavement	
				39.5	(CL) Brown Clay, moist, high plasticity, no odor	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-5' bgs
	GB			2.5	Collected Sample 1-18"	
	UD			5.0	Collected Sample 1-5'	#3 Sand from 5'-5.5' bgs; Set Soil Vapor Probe at 5' bgs
				5.5	Bottom of borehole at 5.5 feet.	
				34.5		



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BORING NUMBER SV-2

PAGE 1 OF 1

CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>9/22/15</u> COMPLETED <u>9/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>SB</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 14:59 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
				0.5	Asphalt Pavement	
				39.5	(CL) Brown Clay, moist, high plasticity, no odor	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-5' bgs
	GB			2.5	Collected Sample 2-18"	
				5.0	Color change to Dark Brown	
	UD			5.5	Collected Sample 2-5'	#3 Sand from 5'-5.5' bgs; Set Soil Vapor Probe at 5' bgs
				34.5	Bottom of borehole at 5.5 feet.	



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BORING NUMBER SV-3

PAGE 1 OF 1

CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>9/22/15</u> COMPLETED <u>9/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>SB</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 14:59 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
				0.5	Asphalt Pavement	
				39.5	(CL) Brown Clay, moist, high plasticity, no odor	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-5' bgs
	GB			2.5	Collected Sample 3-18"	
	UD			5.0	Collected Sample 3-5'	#3 Sand from 5'-5.5' bgs; Set Soil Vapor Probe at 5' bgs
				5.5	Bottom of borehole at 5.5 feet.	
				34.5		



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BORING NUMBER SV-4

PAGE 1 OF 1

CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>9/22/15</u> COMPLETED <u>9/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>SB</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 14:59 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
0.4					Concrete	
39.6					(CL) Brown Clay, moist, high plasticity, no odor	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-5' bgs
2.5	GB				Collected Sample 4-18"	
5.0	UD				Collected Sample 4-5'	#3 Sand from 5'-5.5' bgs; Set Soil Vapor Probe at 5' bgs
5.5					Bottom of borehole at 5.5 feet.	
34.5						



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BORING NUMBER SV-5

PAGE 1 OF 1

CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>9/22/15</u> COMPLETED <u>9/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>SB</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 14:59 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENNOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
				0.5	Asphalt Pavement	
					(CL) Brown Clay, moist, high plasticity, no odor	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-5' bgs
	GB				Collected Sample 5-18"	
2.5						
					Color change to Dark Brown	
5.0	UD			5.5	Collected Sample 5-5'	#3 Sand from 5'-5.5' bgs; Set Soil Vapor Probe at 5' bgs
					Bottom of borehole at 5.5 feet.	
						34.5



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BORING NUMBER SV-6

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CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>9/22/15</u> COMPLETED <u>9/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>SB</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 14:59 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
					Asphalt Pavement	
					(CL) Dark Brown Clay, moist, high plasticity, no odor	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-5' bgs
2.5	GB				Collected Sample 6-18"	
5.0	UD				Piece of Asphalt	
					Collected Sample 6-5'	#3 Sand from 5'-5.5' bgs; Set Soil Vapor Probe at 5' bgs
					Bottom of borehole at 5.5 feet.	



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CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>9/22/15</u> COMPLETED <u>9/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>SB</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 14:59 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
0.5				Asphalt Pavement	Asphalt Pavement	
39.5				(CL) Dark Brown Clay, moist, high plasticity, no odor	(CL) Dark Brown Clay, moist, high plasticity, no odor	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-5' bgs
2.5	GB				Collected Sample 7-18"	
5.0	UD				Collected Sample 7-5'	#3 Sand from 5'-5.5' bgs; Set Soil Vapor Probe at 5' bgs
5.5					Bottom of borehole at 5.5 feet.	
34.5						



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CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>9/22/15</u> COMPLETED <u>9/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>SB</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 14:59 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
				0.5	Asphalt Pavement	
				39.5	(CL) Dark Brown Clay, moist, high plasticity, no odor	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-5' bgs
	GB			2.5	Collected Sample 8-18"	
	UD			5.0	Collected Sample 8-5'	#3 Sand from 5'-5.5' bgs; Set Soil Vapor Probe at 5' bgs
				5.5	Bottom of borehole at 5.5 feet.	
				34.5		



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CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>10/22/15</u> COMPLETED <u>10/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>NBH</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 13:44 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					Asphalt Pavement	
0.5						
0.5					(CL) Dark Gray Clay, moist to wet, soft, medium plasticity	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-4.5' bgs
2.5	GB				Collected Sample SV-9 2-2.5	
3.0					(CL) Brown Silty Clay, moist to wet, slightly micaceous, soft-to-medium stiff, medium plasticity	
5.0	UD		0		Collected Sample SV-9 4.5-5	#3 Sand from 4.5'-5.5' bgs Set Soil Vapor Probe at 5' bgs
7.5					(ML) Brown Clayey Silt, moist, stiff	Hydrated Bentonite Granules from 5.5'-9.5' bgs
10.0	UD		1.3		Collected Sample SV-9 9.5-10	#3 Sand from 9.5'-10.5' bgs Set Soil Vapor Probe at 10' bgs
10.5					Bottom of borehole at 10.5 feet.	Hole caved to 4.5' bgs, open with rod



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CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>10/22/15</u> COMPLETED <u>10/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>NBH</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 13:44 - C:\PROGRAM FILES (X686)\GINT\PROJECTS\IDENNOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
0.3				Concrete Floor	Concrete Floor	
0.3 - 39.7				(CL) Brown Silty Clay, moist, medium stiff, medium plasticity, some iron oxide	(CL) Brown Silty Clay, moist, medium stiff, medium plasticity, some iron oxide	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-4.5' bgs
2.5	GB		5.6		Collected Sample SV-10 2-2.5	
5.0	UD		0		Collected Sample SV-10 4.5-5	#3 Sand from 4.5'-5.5' bgs Set Soil Vapor Probe at 5' bgs
5.0 - 7.5			0			Hydrated Bentonite Granules from 5.5'-9.5' bgs
7.5						
8.0				(ML/CL) Brown Silt to Clay, moist to wet, soft-to-medium stiff, slightly micaceous	(ML/CL) Brown Silt to Clay, moist to wet, soft-to-medium stiff, slightly micaceous	
8.0 - 32.0						
10.0	UD		1.7		Collected Sample SV-10 9.5-10	#3 Sand from 9.5'-10.5' bgs Set Soil Vapor Probe at 10' bgs
10.0 - 10.5						
10.5					Bottom of borehole at 10.5 feet.	
10.5 - 29.5						



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CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>10/22/15</u> COMPLETED <u>10/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>NBH</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 13:44 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
				0.3	Concrete Floor	
				39.7	(SM) Brown Silty Sand, moist, fine-to-medium grained, medium dense	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-4.5' bgs
				1.5	(CL) Dark Gray Clay, moist to wet, fine grained, micaceous	
2.5	GB		1.7	2.5	Collected Sample SV-11 2-2.5	
				37.5	(CL) Dark Gray Clay, moist to wet, medium plasticity, soft	
				4.0	(CL) Brown Silty Clay, moist, soft	
5.0	UD		7.5	5.5	Collected Sample SV-11 4.5-5	#3 Sand from 4.5'-5.5' bgs Set Soil Vapor Probe at 5' bgs
				34.5	Bottom of borehole at 5.5 feet.	



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CLIENT De Nova Homes PROJECT NAME 929 Baker St
 PROJECT NUMBER 25015-015276.01 PROJECT LOCATION 929 Baker Street, Costa Mesa, CA
 DATE STARTED 10/22/15 COMPLETED 10/22/15 GROUND ELEVATION 40 ft HOLE SIZE 2.25 inches
 DRILLING CONTRACTOR J&H GROUND WATER LEVELS:
 DRILLING METHOD Direct Push AT TIME OF DRILLING ---
 LOGGED BY NBH CHECKED BY NBH AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 13:44 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
0.3					Concrete Floor	
39.7					(SM) Brown Silty Sand, moist, fine-to-medium grained, medium dense	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-4.5' bgs
2.0					(CL) Dark Brown Silty Clay, moist, medium plasticity, soft-to-medium stiff; Collected Sample SV-12 2-2.5	
2.5	GB		0			
5.0	UD		0		Collected Sample SV-12 4.5-5	#3 Sand from 4.5'-5.5' bgs Set Soil Vapor Probe at 5' bgs
7.5					Color change to Brown, increasing silt content	Hydrated Bentonite Granules from 5.5'-9.5' bgs
10.0	UD		0		Collected Sample SV-12 9.5-10	#3 Sand from 9.5'-10.5' bgs Set Soil Vapor Probe at 10' bgs
10.5					Bottom of borehole at 10.5 feet.	
29.5						



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CLIENT De Nova Homes PROJECT NAME 929 Baker St

PROJECT NUMBER 25015-015276.01 PROJECT LOCATION 929 Baker Street, Costa Mesa, CA

DATE STARTED 10/22/15 COMPLETED 10/22/15 GROUND ELEVATION 40 ft HOLE SIZE 2.25 inches

DRILLING CONTRACTOR J&H GROUND WATER LEVELS:

DRILLING METHOD Direct Push AT TIME OF DRILLING ---

LOGGED BY NBH CHECKED BY NBH AT END OF DRILLING ---

NOTES _____ AFTER DRILLING ---

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 13:44 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
0.3					Concrete Floor	
39.7					(SM) Brown Silty Sand, moist, fine-to-medium grained	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-4.5' bgs
1.0					(CL) Dark Gray Silty Clay, moist, medium plasticity, soft	
2.5	GB		0		Collected Sample SV-13 2-2.5	
5.0	UD		0		Color change to Brown; Collected Sample SV-13 4.5-5	#3 Sand from 4.5'-5.5' bgs Set Soil Vapor Probe at 5' bgs
7.0					(ML) Brown Clayey Silt, moist, soft-to-medium stiff, slightly micaceous	Hydrated Bentonite Granules from 5.5'-9.5' bgs
33.0						
7.5						
10.0	UD		0		Collected Sample SV-13 9-9.5	#3 Sand from 9.5'-10.5' bgs Set Soil Vapor Probe at 10' bgs
10.5					Bottom of borehole at 10.5 feet.	
29.5						



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CLIENT De Nova Homes PROJECT NAME 929 Baker St
 PROJECT NUMBER 25015-015276.01 PROJECT LOCATION 929 Baker Street, Costa Mesa, CA
 DATE STARTED 10/22/15 COMPLETED 10/22/15 GROUND ELEVATION 40 ft HOLE SIZE 2.25 inches
 DRILLING CONTRACTOR J&H GROUND WATER LEVELS:
 DRILLING METHOD Direct Push AT TIME OF DRILLING ---
 LOGGED BY NBH CHECKED BY NBH AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 13:44 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
0.3				Concrete Floor	Concrete Floor	
0.3				(CL) Dark Brown to Gray Clay, moist, medium plasticity, soft	(CL) Dark Brown to Gray Clay, moist, medium plasticity, soft	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-4.5' bgs
2.5	GB		0	Collected Sample SV-14 2-2.5	Collected Sample SV-14 2-2.5	
				Color change to Brown, increased silt content	Color change to Brown, increased silt content	
5.0	UD		7.4	Collected Sample SV-14 4.5-5	Collected Sample SV-14 4.5-5	#3 Sand from 4.5'-5.5' bgs
5.5				Bottom of borehole at 5.5 feet.	Bottom of borehole at 5.5 feet.	Set Soil Vapor Probe at 5' bgs



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CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>10/22/15</u> COMPLETED <u>10/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>NBH</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 13:44 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
0.3					Concrete Floor	
39.7					(CL) Dark Brown to Gray Clay, moist, soft	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-4.5' bgs
2.5	GB		0		Collected Sample SV-15 2-2.5	
4.0					(ML) Brown Silt, moist, medium stiff	
36.0					Collected Sample SV-15 4.5-5	#3 Sand from 4.5'-5.5' bgs
5.0	UD		9			Set Soil Vapor Probe at 5' bgs
5.5					Bottom of borehole at 5.5 feet.	
34.5						



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CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>10/22/15</u> COMPLETED <u>10/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>NBH</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 13:44 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
0.3				Concrete Floor	Concrete Floor	
39.7				(CL) Dark Brown to Gray Clay, moist, soft-to-medium stiff	(CL) Dark Brown to Gray Clay, moist, soft-to-medium stiff	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-4.5' bgs
2.5	GB		1	Collected Sample SV-16 2-2.5	Collected Sample SV-16 2-2.5	
4.0				(ML) Brown Clayey Silt, moist, medium stiff	(ML) Brown Clayey Silt, moist, medium stiff	
36.0				Collected Sample SV-16 4.5-5	Collected Sample SV-16 4.5-5	#3 Sand from 4.5'-5.5' bgs
5.0	UD		0.8	Set Soil Vapor Probe at 5' bgs		Set Soil Vapor Probe at 5' bgs
34.5				Bottom of borehole at 5.5 feet.		
5.5						



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CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>10/22/15</u> COMPLETED <u>10/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>NBH</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 13:44 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
0.3				Concrete Floor	Concrete Floor	
39.7				(CL) Dark Brown to Gray Clay, moist, soft-to-medium stiff	(CL) Dark Brown to Gray Clay, moist, soft-to-medium stiff	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-4.5' bgs
2.5	GB		1	Collected Sample SV-17 2-2.5	Collected Sample SV-17 2-2.5	
4.0				(ML) Brown Clayey Silt, moist, medium stiff	(ML) Brown Clayey Silt, moist, medium stiff	
36.0				Collected Sample SV-17 4.5-5	Collected Sample SV-17 4.5-5	#3 Sand from 4.5'-5.5' bgs
5.0	UD		4.2	Set Soil Vapor Probe at 5' bgs		Set Soil Vapor Probe at 5' bgs
34.5				Bottom of borehole at 5.5 feet.		
5.5						



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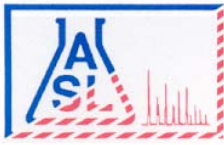
CLIENT <u>De Nova Homes</u>	PROJECT NAME <u>929 Baker St</u>
PROJECT NUMBER <u>25015-015276.01</u>	PROJECT LOCATION <u>929 Baker Street, Costa Mesa, CA</u>
DATE STARTED <u>10/22/15</u> COMPLETED <u>10/22/15</u>	GROUND ELEVATION <u>40 ft</u> HOLE SIZE <u>2.25 inches</u>
DRILLING CONTRACTOR <u>J&H</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>NBH</u> CHECKED BY <u>NBH</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

ENVIRONMENTAL BH - REMARKS - GINT STD US LAB.GDT - 11/3/15 13:44 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IDENOVA_COSTA_MESA-2015.GPJ

DEPTH (ft)	SAMPLE	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0						
0.4					Asphalt Pavement	
39.6					(CL) Dark Gray Clay, moist, soft	Hand Auger to 4' bgs; Hydrated Bentonite Granules from 0'-4.5' bgs
2.5	GB		0		Collected Sample SV-18 2-2.5	
4.0					(CL) Brown Silty Clay, moist, stiff	
36.0					Collected Sample SV-18 4.5-5	#3 Sand from 4.5'-5.5' bgs
5.0	UD		10.6			Set Soil Vapor Probe at 5' bgs
5.5					Bottom of borehole at 5.5 feet.	
34.5						



APPENDIX B
LABORATORY ANALYTICAL REPORTS



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

Bureau Veritas North America, Inc.
1665 Scenic Ave. Suite # 200
Costa Mesa, CA 92626-

Number of Pages 18

Date Received 09/21/2015

Date Reported 09/24/2015

Telephone (714) 431-4100
Attn Shannon Gillespie

Job Number	Ordered	Client
65877	09/21/2015	BUVENA

Project ID: 25015-015276.01

Project Name:

Enclosed are the results of analyses on 16 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

REQUEST FOR LABORATORY ANALYTICAL SERVICES



Bureau Veritas North America, Inc.

Detroit Lab
22345 Roethel Drive
Novi, MI 48375
(800) 806-5887
(248) 344-1770
Fax (248) 344-2655

Atlanta Lab
3380 Chastain Meadows Pky, Ste 300
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
Fax (770) 499-7511

Chicago Lab
95 Oakwood Road
Lake Zurich, IL 60047
(888) 576-7522
(847) 726-3320
Fax (847) 726-3323

Page 1 of 2

RUSH ANALYSIS

CONTACT LAB IN ADVANCE

Need Results by: ___/___/___
Charges Authorized? Yes No
(if yes, initial here) _____
 Email Results Fax

For Bureau Veritas Use Only
Bureau Veritas Lab Project No.

ASL JOB# 65877

REPORT RESULTS TO	Name <u>Shannon Gillespie</u>	Client Job. No.	BILLING/VOICE INFORMATION	<input checked="" type="checkbox"/> PO # <u>8505-015276.01</u>	<input type="checkbox"/> Call for Credit Card Information	<input type="checkbox"/> Direct Bill
	Company <u>BUNA</u>	Dept.		Name <u>SAME</u>		
	Mailing Address <u>1665 Scenic Ave, Ste 200</u>			Company <u>SAME</u>		
	City, State, Zip <u>Costa Mesa CA 92626</u>			Address		
Telephone No. <u>714 431 4133</u>	Fax No. <u>714 825 0285</u>		City, State, Zip			

Special instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)
24 Hr TAT

Soils: Which state are these from? CA

Waters: Drinking Water
 Groundwater
 Wastewater

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED				FOR LAB USE ONLY
						Organochlorine Pesticides (EPA 8081A)	TPH (EPA 8015B)	VOCs (EPA 8260B)	Title 22 Metals	
1-18" 338276	9/21/15	0734A	Soil		X					Title 22 metals only if Pesticides high... contact Shannon Gillespie.
1-5' 338277		0731A				X	X			
2-18" 338278		0750A			X					
2-5' 338279		0752A				X	X			
3-18" 338280		0807A			X					
3-5' 338281		0809A				X	X			
4-18" 338282		0824A			X					
4-5' 338283		0826A				X	X			
5-18" 338284		0838A			X					
5-5' 338285		0840A				X	X			
6-18" 338286		0855A			X					
6-5' 338287		0857A				X	X	(X)		

CHAIN OF CUSTODY

Collected by: Sara Bayer (print) Collector's Signature: _____

Relinquished by: _____ Date/Time 9/21/15 Received by: all Date/Time 9-21-15 1355

Relinquished by: _____ Date/Time _____ Received by: _____ Date/Time _____

Method of Shipment: _____ Received at Lab by: _____ Date/Time _____

Authorized by: _____ Date 9/21/15 Sample Condition Upon Receipt: Acceptable Other (explain)

(Client Signature MUST Accompany Request)

REQUEST FOR LABORATORY ANALYTICAL SERVICES



Bureau Veritas North America, Inc.

Detroit Lab
22345 Roethel Drive
Novi, MI 48375
(800) 806-5887
(248) 344-1770
Fax (248) 344-2655

Atlanta Lab
3380 Chastain Meadows Pky, Ste 300
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
Fax (770) 499-7511

Chicago Lab
95 Oakwood Road
Lake Zurich, IL 60047
(888) 576-7522
(847) 726-3320
Fax (847) 726-3323

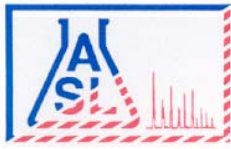
For Bureau Veritas Use Only
Bureau Veritas Lab Project No.

1099 292
RUSH ANALYSIS
CONTACT LAB IN ADVANCE
Need Results by: ___/___/___
Charges Authorized? Yes No
(if yes, initial here) _____
 Email Results Fax

ASL JOB # 65877

REPORT RESULTS TO	Name <u>Shannon Gillespie</u>		Client Job. No.		BILLING/INVOICE INFORMATION	APO # <u>25015-01527601</u> <input type="checkbox"/> Call for Credit Card Information <input type="checkbox"/> Direct Bill	
	Company <u>BVNA</u>		Dept.			Name	
	Mailing Address <u>1665 Scenic Ave, Ste 200</u>		City, State, Zip <u>Costa Mesa CA 92626</u>			Company <u>SANITE</u>	
Telephone No. <u>714 431 4133</u>		Fax No. <u>714 825 0285</u>		Address		City, State, Zip	
Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.) <u>24 Hr FAT</u>				Soils: Which state are these from? <u>CA</u>		Waters: <input type="checkbox"/> Drinking Water <input type="checkbox"/> Groundwater <input type="checkbox"/> Wastewater	
* Explanation of Preservation				ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)			
CLIENT SAMPLE IDENTIFICATION				FOR LAB USE ONLY			
		DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	
13	7-18"	338288	9/21/15	0917A	Soil		
14	7-5'	338289		0919A			
15	8-18"	338290		0928A			
16	8-5'	338291		0930A			
						<u>Organochlorine Pesticides (EPA 8061A)</u> <u>TPH (EPA 8015B)</u> <u>VOCs (EPA 8260B)</u> <u>Title 22 metals</u>	
						Title 22 metals only if pesticides High...contact Shannon Gillespie	
CHAIN OF CUSTODY	Collected by: <u>Sara Bayer</u> (print)			Collector's Signature: _____			
	Relinquished by: _____			Date/Time <u>9/21/15</u>		Received by: _____	
	Relinquished by: _____			Date/Time _____		Date/Time _____	
	Method of Shipment: _____			Received at Lab by: _____		Date/Time _____	
Authorized by: _____			Date <u>9/21/15</u>		Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		

(Client Signature MUST Accompany Request)



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Bureau Veritas North America, Inc.
 1665 Scenic Ave. Suite # 200
 Costa Mesa, CA 92626-

Telephone: (714)431-4100

Attn: Shannon Gillespie

Page: 2

Project ID: 25015-015276.01

ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

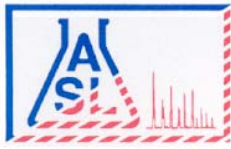
QC Batch No: 092215-1

Our Lab I.D.		338287			
Client Sample I.D.		6-5'			
Date Sampled		09/21/2015			
Date Prepared		09/23/2015			
Preparation Method					
Date Analyzed		09/23/2015			
Matrix		Soil			
Units		mg/Kg			
Dilution Factor		1			
Analytes	PQL	Results			
AA Metals					
Mercury	0.0500	ND			
ICP Metals					
Antimony	0.500	ND			
Arsenic	0.250	1.33			
Barium	0.500	17.3			
Beryllium	0.500	ND			
Cadmium	0.500	ND			
Chromium	0.500	10.3			
Cobalt	0.500	1.77			
Copper	0.500	5.11			
Lead	0.250	6.43			
Molybdenum	0.500	ND			
Nickel	0.500	9.75			
Selenium	0.500	ND			
Silver	0.500	ND			
Thallium	0.500	ND			
Vanadium	0.500	15.8			
Zinc	0.500	12.7			

QUALITY CONTROL REPORT

QC Batch No: 092215-1

Analytes	LCS % REC	LCS/LCSD % Limit							
AA Metals									
Mercury	117	80-120							
ICP Metals									
Antimony	90	80-120							
Arsenic	92	80-120							



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ANALYTICAL RESULTS

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 Costa Mesa, CA 92626-

Telephone: (714)431-4100

Attn: Shannon Gillespie

Page: 4

Project ID: 25015-015276.01

ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1P-092115

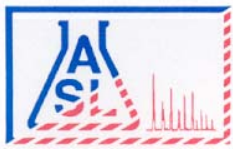
Our Lab I.D.		338277	338279	338281	338283	338285
Client Sample I.D.		1-5'	2-5'	3-5'	4-5'	5-5'
Date Sampled		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Date Prepared		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Preparation Method						
Date Analyzed		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		338277	338279	338281	338283	338285
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	92	93	91	87	87

QUALITY CONTROL REPORT

QC Batch No: S1P-092115

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	101	101	<1	75-120	<20					



AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Ordered By

Bureau Veritas North America, Inc.
 1665 Scenic Ave. Suite # 200
 Costa Mesa, CA 92626-

Telephone: (714)431-4100

Attn: Shannon Gillespie

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Project ID: 25015-015276.01

ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1P-092115

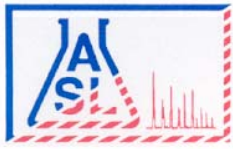
Our Lab I.D.		338289	338291			
Client Sample I.D.		7-5'	8-5'			
Date Sampled		09/21/2015	09/21/2015			
Date Prepared		09/21/2015	09/21/2015			
Preparation Method						
Date Analyzed		09/21/2015	09/21/2015			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	PQL	Results	Results			
TPH DROs (C10 to C28)	10.0	ND	ND			
TPH OROs (C28+)	50.0	ND	ND			

Our Lab I.D.		338289	338291			
Surrogates	% Rec.Limit	% Rec.	% Rec.			
Surrogate Percent Recovery						
Chlorobenzene	70-120	90	90			

QUALITY CONTROL REPORT

QC Batch No: S1P-092115

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	101	101	<1	75-120	<20					



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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ANALYTICAL RESULTS

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 Costa Mesa, CA 92626-

Telephone: (714)431-4100

Attn: Shannon Gillespie

Page: 6

Project ID: 25015-015276.01

ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1P-092215

Our Lab I.D.		338287			
Client Sample I.D.		6-5'			
Date Sampled		09/21/2015			
Date Prepared		09/21/2015			
Preparation Method					
Date Analyzed		09/22/2015			
Matrix		Soil			
Units		mg/Kg			
Dilution Factor		2			
Analytes	PQL	Results			
TPH DROs (C10 to C28)	20.0	ND			
TPH OROs (C28+)	100	1460			

Our Lab I.D.		338287			
Surrogates	% Rec.Limit	% Rec.			
Surrogate Percent Recovery					
Chlorobenzene	70-120	88			

QUALITY CONTROL REPORT

QC Batch No: S1P-092215

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	105	110	4.7	75-120	<20					



AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

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 Costa Mesa, CA 92626-

Telephone: (714)431-4100

Attn: Shannon Gillespie

Page: 7

Project ID: 25015-015276.01

ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1H-092115

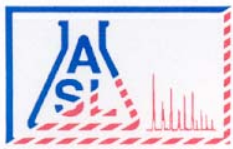
Our Lab I.D.		338277	338279	338281	338283	338285
Client Sample I.D.		1-5'	2-5'	3-5'	4-5'	5-5'
Date Sampled		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Date Prepared		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Preparation Method						
Date Analyzed		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH GROs (C6 to C10)	500	ND	ND	ND	ND	ND

Our Lab I.D.		338277	338279	338281	338283	338285
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	108	72	72	96	89

QUALITY CONTROL REPORT

QC Batch No: S1H-092115

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	76	76	<1	75-120	<20					
Toluene	84	83	1.2	75-120	<20					



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Bureau Veritas North America, Inc.
 1665 Scenic Ave. Suite # 200
 Costa Mesa, CA 92626-

Telephone: (714)431-4100

Attn: Shannon Gillespie

Page: 8

Project ID: 25015-015276.01

ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1H-092115

Our Lab I.D.		338287	338289	338291		
Client Sample I.D.		6-5'	7-5'	8-5'		
Date Sampled		09/21/2015	09/21/2015	09/21/2015		
Date Prepared		09/21/2015	09/21/2015	09/21/2015		
Preparation Method						
Date Analyzed		09/21/2015	09/21/2015	09/21/2015		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
TPH GROs (C6 to C10)	500	ND	ND	ND		

Comment(s):

338287: Low surrogate recovery due to matrix.

Our Lab I.D.		338287	338289	338291		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	2	96	91		

QUALITY CONTROL REPORT

QC Batch No: S1H-092115

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	76	76	<1	75-120	<20					
Toluene	84	83	1.2	75-120	<20					



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

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ANALYTICAL RESULTS

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 Costa Mesa, CA 92626-

Telephone: (714)431-4100

Attn: Shannon Gillespie

Page: 9

Project ID: 25015-015276.01

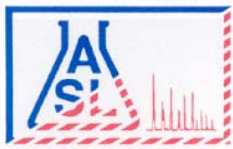
ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092215-1

Our Lab I.D.		338276	338278	338280	338282	338284
Client Sample I.D.		1-18"	2-18"	3-18"	4-18"	5-18"
Date Sampled		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Date Prepared		09/22/2015	09/22/2015	09/22/2015	09/22/2015	09/22/2015
Preparation Method						
Date Analyzed		09/22/2015	09/22/2015	09/22/2015	09/22/2015	09/22/2015
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Aldrin	2.00	ND	ND	ND	ND	ND
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND	ND	ND
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND	ND	ND
Gamma-Chlordane	2.00	ND	ND	ND	ND	ND
alpha-Chlordane	2.00	ND	ND	ND	ND	ND
4,4'-DDD (DDD)	4.00	ND	5.65	4.94	ND	ND
4,4'-DDE (DDE)	4.00	ND	5.60	6.60	4.37	4.51
4,4'-DDT (DDT)	4.00	ND	5.94	ND	ND	ND
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND	ND	ND
Dieldrin	4.00	ND	ND	ND	ND	ND
Endosulfan 1	2.00	ND	ND	ND	ND	ND
Endosulfan 11	4.00	ND	ND	ND	ND	ND
Endosulfan sulfate	4.00	ND	ND	ND	ND	ND
Endrin	4.00	ND	ND	ND	ND	ND
Endrin aldehyde	4.00	ND	ND	ND	ND	ND
Endrin ketone	4.00	ND	ND	ND	ND	ND
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND	ND	ND
Heptachlor	2.00	ND	ND	ND	ND	ND
Heptachlor epoxide	2.00	ND	ND	ND	ND	ND
Methoxychlor	4.00	ND	ND	ND	ND	ND
Toxaphene	170	ND	ND	ND	ND	ND
Chlordane, Total	170	ND	ND	ND	ND	ND

Our Lab I.D.		338276	338278	338280	338282	338284
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	103	99	92	88	92



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ANALYTICAL RESULTS

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Project ID: 25015-015276.01

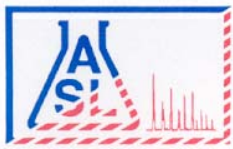
ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092215-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	91	111	19.8	42-122	<30					
4,4'-DDT (DDT)	84	103	20.3	25-160	<30					
Dieldrin	95	119	22.4	36-146	<30					
Endrin	92	115	22.2	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	98	117	17.7	32-127	<30					
Heptachlor	92	102	10.3	34-111	<30					



AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Ordered By

Bureau Veritas North America, Inc.
 1665 Scenic Ave. Suite # 200
 Costa Mesa, CA 92626-

Telephone: (714)431-4100

Attn: Shannon Gillespie

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Project ID: 25015-015276.01

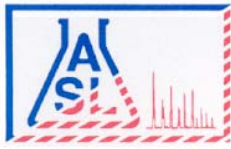
ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8081A, Organochlorine Pesticides

QC Batch No: 092215-1

Our Lab I.D.		338286	338288	338290		
Client Sample I.D.		6-18"	7-18"	8-18"		
Date Sampled		09/21/2015	09/21/2015	09/21/2015		
Date Prepared		09/22/2015	09/22/2015	09/22/2015		
Preparation Method						
Date Analyzed		09/22/2015	09/22/2015	09/22/2015		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Aldrin	2.00	ND	ND	ND		
alpha-Hexachlorocyclohexane (Alpha-BHC)	2.00	ND	ND	ND		
Beta-Hexachlorocyclohexane (Beta-BHC)	2.00	ND	ND	ND		
Gamma-Chlordane	2.00	ND	ND	ND		
alpha-Chlordane	2.00	ND	ND	ND		
4,4'-DDD (DDD)	4.00	ND	ND	ND		
4,4'-DDE (DDE)	4.00	ND	ND	ND		
4,4'-DDT (DDT)	4.00	ND	ND	ND		
delta-Hexachlorocyclohexane (Delta-BHC)	2.00	ND	ND	ND		
Dieldrin	4.00	ND	ND	ND		
Endosulfan 1	2.00	ND	ND	ND		
Endosulfan 11	4.00	ND	ND	ND		
Endosulfan sulfate	4.00	ND	ND	ND		
Endrin	4.00	ND	ND	ND		
Endrin aldehyde	4.00	ND	ND	ND		
Endrin ketone	4.00	ND	ND	ND		
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	2.00	ND	ND	ND		
Heptachlor	2.00	ND	ND	ND		
Heptachlor epoxide	2.00	ND	ND	ND		
Methoxychlor	4.00	ND	ND	ND		
Toxaphene	170	ND	ND	ND		
Chlordane, Total	170	ND	ND	ND		

Our Lab I.D.		338286	338288	338290		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	86	86	103		



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ANALYTICAL RESULTS

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Project ID: 25015-015276.01

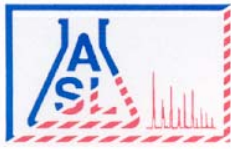
ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8081A, Organochlorine Pesticides

QUALITY CONTROL REPORT

QC Batch No: 092215-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aldrin	91	111	19.8	42-122	<30					
4,4'-DDT (DDT)	84	103	20.3	25-160	<30					
Dieldrin	95	119	22.4	36-146	<30					
Endrin	92	115	22.2	30-147	<30					
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	98	117	17.7	32-127	<30					
Heptachlor	92	102	10.3	34-111	<30					



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ANALYTICAL RESULTS

Ordered By

Bureau Veritas North America, Inc.
 1665 Scenic Ave. Suite # 200
 Costa Mesa, CA 92626-

Telephone: (714)431-4100

Attn: Shannon Gillespie

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Project ID: 25015-015276.01

ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092115

Our Lab I.D.		338277	338279	338281	338283	338285
Client Sample I.D.		1-5'	2-5'	3-5'	4-5'	5-5'
Date Sampled		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Date Prepared		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Preparation Method						
Date Analyzed		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Acetone	50.0	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND



ANALYTICAL RESULTS

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Project ID: 25015-015276.01

ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092115

Our Lab I.D.		338277	338279	338281	338283	338285
Client Sample I.D.		1-5'	2-5'	3-5'	4-5'	5-5'
Date Sampled		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Date Prepared		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Preparation Method						
Date Analyzed		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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Project ID: 25015-015276.01

ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092115

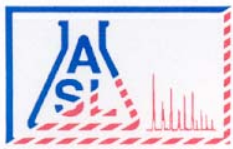
Our Lab I.D.		338277	338279	338281	338283	338285
Client Sample I.D.		1-5'	2-5'	3-5'	4-5'	5-5'
Date Sampled		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Date Prepared		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Preparation Method						
Date Analyzed		09/21/2015	09/21/2015	09/21/2015	09/21/2015	09/21/2015
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND

Our Lab I.D.		338277	338279	338281	338283	338285
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	101	104	102	102	100
Dibromofluoromethane	70-120	90	92	90	89	83
Toluene-d8	70-120	98	96	96	97	97

QUALITY CONTROL REPORT

QC Batch No: S1B-092115

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit				
Benzene	80	84	4.9	75-120	15				
Chlorobenzene	109	112	2.7	75-120	15				
1,1-Dichloroethene (1,1-Dichloroethylene)	88	93	5.5	75-120	15				
MTBE	91	97	6.4	75-120	15				
Toluene (Methyl benzene)	103	107	3.8	75-120	15				
Trichloroethene (TCE)	88	92	4.4	75-120	15				



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Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

Bureau Veritas North America, Inc.
1665 Scenic Ave. Suite # 200
Costa Mesa, CA 92626-

Telephone: (714)431-4100

Attn: Shannon Gillespie

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Project ID: 25015-015276.01

ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092115

Our Lab I.D.		338287	338289	338291		
Client Sample I.D.		6-5'	7-5'	8-5'		
Date Sampled		09/21/2015	09/21/2015	09/21/2015		
Date Prepared		09/21/2015	09/21/2015	09/21/2015		
Preparation Method						
Date Analyzed		09/21/2015	09/21/2015	09/21/2015		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Acetone	50.0	ND	ND	ND		
Benzene	2.00	ND	ND	ND		
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND		
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND		
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	50.0	ND	ND	ND		
Bromomethane (Methyl bromide)	30.0	ND	ND	ND		
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND		
n-Butylbenzene	10.0	ND	ND	ND		
sec-Butylbenzene	10.0	ND	ND	ND		
tert-Butylbenzene	10.0	ND	ND	ND		
Carbon disulfide	10.0	ND	ND	ND		
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND		
Chlorobenzene	10.0	ND	ND	ND		
Chloroethane	30.0	ND	ND	ND		
2-Chloroethyl vinyl ether	50.0	ND	ND	ND		
Chloroform (Trichloromethane)	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	30.0	ND	ND	ND		
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND		
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND		
Dibromochloromethane	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND		
Dibromomethane	10.0	ND	ND	ND		
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND		
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND		
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND		
Dichlorodifluoromethane	30.0	ND	ND	ND		
1,1-Dichloroethane	10.0	ND	ND	ND		



ANALYTICAL RESULTS

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Project ID: 25015-015276.01

ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092115

Our Lab I.D.		338287	338289	338291	
Client Sample I.D.		6-5'	7-5'	8-5'	
Date Sampled		09/21/2015	09/21/2015	09/21/2015	
Date Prepared		09/21/2015	09/21/2015	09/21/2015	
Preparation Method					
Date Analyzed		09/21/2015	09/21/2015	09/21/2015	
Matrix		Soil	Soil	Soil	
Units		ug/kg	ug/kg	ug/kg	
Dilution Factor		1	1	1	
Analytes	PQL	Results	Results	Results	
1,2-Dichloroethane	10.0	ND	ND	ND	
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	
cis-1,2-Dichloroethene	10.0	ND	ND	14.1	
trans-1,2-Dichloroethene	10.0	ND	ND	ND	
1,2-Dichloropropane	10.0	ND	ND	ND	
1,3-Dichloropropane	10.0	ND	ND	ND	
2,2-Dichloropropane	10.0	ND	ND	ND	
1,1-Dichloropropene	10.0	ND	ND	ND	
cis-1,3-Dichloropropene	10.0	ND	ND	ND	
trans-1,3-Dichloropropene	10.0	ND	ND	ND	
Ethylbenzene	2.00	ND	ND	ND	
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	
2-Hexanone	50.0	ND	ND	ND	
Isopropylbenzene	10.0	ND	ND	ND	
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	
MTBE	5.00	ND	ND	ND	
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	
Naphthalene	10.0	ND	ND	ND	
n-Propylbenzene	10.0	ND	ND	ND	
Styrene	10.0	ND	ND	ND	
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	
Tetrachloroethene (Tetrachloroethylene)	10.0	ND	ND	ND	
Toluene (Methyl benzene)	2.00	ND	ND	ND	
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	
1,1,1-Trichloroethane	10.0	ND	ND	ND	
1,1,2-Trichloroethane	10.0	ND	ND	ND	
Trichloroethene (TCE)	10.0	ND	ND	48.3	
Trichlorofluoromethane	10.0	ND	ND	ND	
1,2,3-Trichloropropane	10.0	ND	ND	ND	
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	
Vinyl acetate	50.0	ND	ND	ND	



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ANALYTICAL RESULTS

Page: **18**

Project ID: 25015-015276.01

ASL Job Number	Submitted	Client
65877	09/21/2015	BUVENA

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-092115

Our Lab I.D.		338287	338289	338291		
Client Sample I.D.		6-5'	7-5'	8-5'		
Date Sampled		09/21/2015	09/21/2015	09/21/2015		
Date Prepared		09/21/2015	09/21/2015	09/21/2015		
Preparation Method						
Date Analyzed		09/21/2015	09/21/2015	09/21/2015		
Matrix		Soil	Soil	Soil		
Units		ug/kg	ug/kg	ug/kg		
Dilution Factor		1	1	1		
Analytes	PQL	Results	Results	Results		
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND		
o-Xylene	2.00	ND	ND	ND		
m- & p-Xylenes	4.00	ND	ND	ND		

Comment(s):

338287: High surrogate recovery due to matrix.

Our Lab I.D.		338287	338289	338291		
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.		
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	178	102	103		
Dibromofluoromethane	70-120	141	91	92		
Toluene-d8	70-120	68	97	96		

QUALITY CONTROL REPORT

QC Batch No: S1B-092115

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	80	84	4.9	75-120	15					
Chlorobenzene	109	112	2.7	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	88	93	5.5	75-120	15					
MTBE	91	97	6.4	75-120	15					
Toluene (Methyl benzene)	103	107	3.8	75-120	15					
Trichloroethene (TCE)	88	92	4.4	75-120	15					



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**JONES ENVIRONMENTAL
LABORATORY RESULTS**

Client: Bureau Veritas
Client Address: 1665 Scenic Ave., Suite 200
Costa Mesa, CA 92626

Report date: 9/23/2015
JEL Ref. No.: ST-8703
Client Ref. No.: 25015-015276.01

Attn: Shannon Gillespie

Date Sampled: 9/22/2015
Date Received: 9/22/2015
Date Analyzed: 9/22/2015
Physical State: Soil Gas

ANALYSES REQUESTED

1. EPA TO-15 - Volatile Organics by GC/MS

Analytical – Soil Gas samples were analyzed using EPA Method TO-15. Instrument Continuing Calibration Verification, QC Reference Standards, and Instrument Blanks were analyzed every 24 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) were analyzed with each batch of Soil Gas samples.

Approval:

Steve Jones, Ph.D.
Laboratory Manager



714-449-9937 | 11007 FOREST PLACE
 562-646-1611 | SANTA FE SPRINGS, CA 90670
 805-399-0060 | WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Bureau Veritas
Client Address: 1665 Scenic Ave., Suite 200
 Costa Mesa, CA 92626

Report date: 9/23/2015
JEL Ref. No.: ST-8703
Client Ref. No.: 25015-015276.01

Attn: Shannon Gillespie

Date Sampled: 9/22/2015
Date Received: 9/22/2015
Date Analyzed: 9/22/2015
Physical State: Soil Gas

EPA TO-15-Volatile Organics by GC/MS in Air/ Summa Canister

<u>Sample ID:</u>	1	2	3	4	5		
<u>JEL ID:</u>	ST-8703-01	ST-8703-02	ST-8703-03	ST-8703-04	ST-8703-05	<u>Practical</u>	<u>Units</u>
						<u>Quantitation</u>	
<u>Analytes:</u>						<u>Limit</u>	
Acetone	ND	ND	ND	ND	ND	1.0	µg/m3
Acrolein	ND	ND	ND	ND	ND	3.0	µg/m3
Benzene	38.3	16.0	10.4	49.4	16.7	2.0	µg/m3
Benzyl chloride	ND	ND	ND	ND	ND	3.0	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	4.0	µg/m3
Bromoform	ND	ND	ND	ND	ND	6.0	µg/m3
Bromomethane	ND	ND	ND	ND	ND	2.0	µg/m3
1,3-Butadiene	ND	ND	ND	ND	ND	1.0	µg/m3
2-Butanone (MEK)	ND	ND	ND	ND	ND	2.0	µg/m3
Carbon disulfide	79.8	36.6	10.2	23.7	11.6	2.0	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	3.0	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	3.0	µg/m3
Chloroform	ND	4.3	ND	ND	ND	2.0	µg/m3
Cyclohexane	30.4	ND	ND	ND	ND	2.0	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	5.0	µg/m3
1,2-Dibromoethane	ND	ND	ND	ND	ND	5.0	µg/m3
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	4.0	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	4.0	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	4.0	µg/m3
1,1-Dichloroethane	ND	ND	3.6	ND	ND	2.0	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	2.0	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	2.0	µg/m3
Cis-1,2-Dichloroethene	ND	ND	42.8	ND	ND	2.0	µg/m3
Trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	2.0	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	3.0	µg/m3
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	3.0	µg/m3
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	3.0	µg/m3
1,4-Dioxane	ND	ND	41.5	ND	ND	2.0	µg/m3
Ethanol	ND	ND	ND	ND	ND	1.0	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA TO-15-Volatile Organics by GC/MS in Air/ Summa Canister

<u>Sample ID:</u>	1	2	3	4	5		
<u>JEL ID:</u>	ST-8703-01	ST-8703-02	ST-8703-03	ST-8703-04	ST-8703-05	<u>Practical</u>	<u>Units</u>
<u>Analytes:</u>						<u>Quantitation</u>	
						<u>Limit</u>	
Ethyl acetate	ND	ND	ND	ND	ND	2.0	µg/m3
Ethyl benzene	9.2	ND	ND	6.4	ND	3.0	µg/m3
4-Ethyltoluene	ND	ND	ND	ND	ND	3.0	µg/m3
Freon 11	ND	ND	ND	ND	ND	3.0	µg/m3
Freon 12	ND	ND	ND	ND	6.5	3.0	µg/m3
Freon 113	ND	ND	ND	ND	ND	5.0	µg/m3
Freon 114	ND	ND	ND	ND	ND	4.0	µg/m3
Heptane	15.0	17.2	ND	9.5	5.4	2.0	µg/m3
Hexachloro-1,3-butadiene	ND	ND	ND	ND	ND	6.0	µg/m3
Hexane	ND	ND	ND	ND	ND	2.0	µg/m3
2-Hexanone (MBK)	ND	ND	ND	ND	ND	2.0	µg/m3
Isopropyl Alcohol	ND	ND	ND	ND	ND	2.0	µg/m3
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	2.0	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	2.0	µg/m3
MTBE	ND	ND	ND	ND	ND	2.0	µg/m3
Methylmethacrylate	ND	ND	ND	ND	ND	2.0	µg/m3
Naphthalene	ND	ND	ND	ND	ND	5.0	µg/m3
Propylene	ND	ND	ND	ND	ND	1.0	µg/m3
Styrene	ND	ND	ND	ND	ND	3.0	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	4.0	µg/m3
Tetrachloroethene	ND	ND	3.2	13.8	5.4	2.0	µg/m3
Tetrahydrofuran	ND	ND	ND	ND	ND	2.0	µg/m3
Toluene	18.2	9.7	5.0	25.4	8.7	2.0	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	3.0	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	3.0	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	3.0	µg/m3
Trichloroethene	7.3	ND	17.5	ND	ND	3.0	µg/m3
1,2,4-Trimethylbenzene	4.7	4.3	ND	10.3	4.2	3.0	µg/m3
1,3,5-Trimethylbenzene	3.2	ND	ND	5.4	ND	3.0	µg/m3
Vinyl Acetate	7.6	3.7	9.5	ND	ND	4.0	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	2.0	µg/m3
o-Xylene	6.8	ND	ND	7.0	ND	3.0	µg/m3
p/m-Xylene	19.6	8.4	4.1	22.8	7.3	3.0	µg/m3
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
4-Bromofluorobenzene	73%	75%	77%	70%	78%	60-140	
	TO-092215- CHECKS	TO-092215- CHECKS	TO-092215- CHECKS	TO-092215- CHECKS	TO-092215- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Bureau Veritas
Client Address: 1665 Scenic Ave., Suite 200
 Costa Mesa, CA 92626

Report date: 9/23/2015
JEL Ref. No.: ST-8703
Client Ref. No.: 25015-01527

Attn: Shannon Gillespie

Date Sampled: 9/22/2015
Date Received: 9/22/2015

Project:
Project Address:

Date Analyzed: 9/22/2015
Physical State: Soil Gas

EPA TO-15-Volatile Organics by GC/MS in Air/ Summa Canister

<u>Sample ID:</u>	6	7	8		
<u>JEL ID:</u>	ST-8703-06	ST-8703-07	ST-8703-08	<u>Practical</u> <u>Quantitation</u>	<u>Units</u>
<u>Analytes:</u>				<u>Limit</u>	
Acetone	ND	ND	ND	1.0	µg/m3
Acrolein	ND	ND	ND	3.0	µg/m3
Benzene	ND	56.5	100	2.0	µg/m3
Benzyl chloride	ND	ND	ND	3.0	µg/m3
Bromodichloromethane	ND	ND	ND	4.0	µg/m3
Bromoform	ND	ND	ND	6.0	µg/m3
Bromomethane	ND	ND	ND	2.0	µg/m3
1,3-Butadiene	ND	ND	ND	1.0	µg/m3
2-Butanone (MEK)	ND	ND	ND	2.0	µg/m3
Carbon disulfide	6.8	23.7	504	2.0	µg/m3
Carbon tetrachloride	ND	ND	ND	3.0	µg/m3
Chlorobenzene	ND	ND	ND	3.0	µg/m3
Chloroform	ND	4.3	29.0	2.0	µg/m3
Cyclohexane	30.4	ND	ND	2.0	µg/m3
Dibromochloromethane	ND	ND	ND	5.0	µg/m3
1,2-Dibromoethane	ND	ND	ND	5.0	µg/m3
1,2-Dichlorobenzene	ND	ND	ND	4.0	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	4.0	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	4.0	µg/m3
1,1-Dichloroethane	ND	ND	22.0	2.0	µg/m3
1,2-Dichloroethane	ND	ND	ND	2.0	µg/m3
1,1-Dichloroethene	ND	ND	ND	2.0	µg/m3
Cis-1,2-Dichloroethene	ND	197	7000*	2.0	µg/m3
Trans-1,2-Dichloroethene	ND	ND	ND	2.0	µg/m3
1,2-Dichloropropane	ND	ND	ND	3.0	µg/m3
Cis-1,3-Dichloropropene	ND	ND	ND	3.0	µg/m3
Trans-1,3-Dichloropropene	ND	ND	ND	3.0	µg/m3
1,4-Dioxane	ND	ND	ND	2.0	µg/m3
Ethanol	ND	ND	ND	1.0	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA TO-15-Volatile Organics by GC/MS in Air/ Summa Canister

<u>Sample ID:</u>	6	7	8			
<u>JEL ID:</u>	ST-8703-06	ST-8703-07	ST-8703-08		<u>Practical</u>	
<u>Analytes:</u>					<u>Quantitation</u>	
					<u>Limit</u>	
					<u>Units</u>	
Ethyl acetate	ND	ND	ND		2.0	µg/m3
Ethyl benzene	5.6	9.0	9.5		3.0	µg/m3
4-Ethyltoluene	ND	5.6	6.7		3.0	µg/m3
Freon 11	ND	ND	ND		3.0	µg/m3
Freon 12	ND	ND	ND		3.0	µg/m3
Freon 113	ND	ND	ND		5.0	µg/m3
Freon 114	ND	ND	ND		4.0	µg/m3
Heptane	ND	17.2	48.0		2.0	µg/m3
Hexachloro-1,3-butadiene	ND	ND	ND		6.0	µg/m3
Hexane	ND	ND	ND		2.0	µg/m3
2-Hexanone (MBK)	ND	ND	ND		2.0	µg/m3
Isopropyl Alcohol	ND	ND	ND		2.0	µg/m3
4-Methyl-2-pentanone (MIBK)	ND	ND	ND		2.0	µg/m3
Methylene chloride	ND	ND	ND		2.0	µg/m3
MTBE	ND	ND	ND		2.0	µg/m3
Methylmethacrylate	ND	ND	ND		2.0	µg/m3
Naphthalene	ND	ND	ND		5.0	µg/m3
Propylene	ND	ND	ND		1.0	µg/m3
Styrene	ND	ND	5.1		3.0	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND		4.0	µg/m3
Tetrachloroethene	183	158	3.2		2.0	µg/m3
Tetrahydrofuran	ND	ND	ND		2.0	µg/m3
Toluene	13.8	30.2	44.6		2.0	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND		3.0	µg/m3
1,1,1-Trichloroethane	ND	ND	ND		3.0	µg/m3
1,1,2-Trichloroethane	ND	ND	ND		3.0	µg/m3
Trichloroethene	ND	1100	16500*		3.0	µg/m3
1,2,4-Trimethylbenzene	10.8	11.4	14.2		3.0	µg/m3
1,3,5-Trimethylbenzene	ND	3.2	3.5		3.0	µg/m3
Vinyl Acetate	ND	ND	23.8		4.0	µg/m3
Vinyl chloride	ND	ND	219		2.0	µg/m3
o-Xylene	7.0	10.9	9.6		3.0	µg/m3
p/m-Xylene	21.7	36.2	33.8		3.0	µg/m3
<u>Dilution Factor</u>	1	1	1/30*			
<u>Surrogate Recovery:</u>					<u>QC Limits</u>	
4-Bromofluorobenzene	71%	75%	86%		60-140	
	TO-092215- CHECKS	TO-092215- CHECKS	TO-092215- CHECKS			

ND= Not Detected

* = Dilutions for these compound(s); first number for all others



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Bureau Veritas
Client Address: 1665 Scenic Ave., Suite 200
Costa Mesa, CA 92626

Report date: 9/23/2015
JEL Ref. No.: ST-8703
Client Ref. No.: 25015-01527

Attn: Shannon Gillespie

Date Sampled: 9/22/2015
Date Received: 9/22/2015
Date Analyzed: 9/22/2015
Physical State: Soil Gas

EPA TO-15-Volatile Organics by GC/MS in Air/ Summa Canister

Sample ID: METHOD
BLANK

JEL ID: ST-8703-09

Analytes:	METHOD	Practical	Units
		Quantitation	
		Limit	
Acetone	ND	1.0	µg/m3
Acrolein	ND	3.0	µg/m3
Benzene	ND	2.0	µg/m3
Benzyl chloride	ND	3.0	µg/m3
Bromodichloromethane	ND	4.0	µg/m3
Bromoform	ND	6.0	µg/m3
Bromomethane	ND	2.0	µg/m3
1,3-Butadiene	ND	1.0	µg/m3
2-Butanone (MEK)	ND	2.0	µg/m3
Carbon disulfide	ND	2.0	µg/m3
Carbon tetrachloride	ND	3.0	µg/m3
Chlorobenzene	ND	3.0	µg/m3
Chloroform	ND	2.0	µg/m3
Cyclohexane	ND	2.0	µg/m3
Dibromochloromethane	ND	5.0	µg/m3
1,2-Dibromoethane	ND	5.0	µg/m3
1,2-Dichlorobenzene	ND	4.0	µg/m3
1,3-Dichlorobenzene	ND	4.0	µg/m3
1,4-Dichlorobenzene	ND	4.0	µg/m3
1,1-Dichloroethane	ND	2.0	µg/m3
1,2-Dichloroethane	ND	2.0	µg/m3
1,1-Dichloroethene	ND	2.0	µg/m3
Cis-1,2-Dichloroethene	ND	2.0	µg/m3
Trans-1,2-Dichloroethene	ND	2.0	µg/m3
1,2-Dichloropropane	ND	3.0	µg/m3
Cis-1,3-Dichloropropene	ND	3.0	µg/m3
Trans-1,3-Dichloropropene	ND	3.0	µg/m3
1,4-Dioxane	ND	2.0	µg/m3
Ethanol	ND	1.0	µg/m3



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**JONES ENVIRONMENTAL
 QUALITY CONTROL INFORMATION**

Client: Bureau Veritas
Client Address: 1665 Scenic Ave., Suite 200
 Costa Mesa, CA 92626

Report date: 9/23/2015
JEL Ref. No.: ST-8703
Client Ref. No.: 25015-015276.01

Attn: Shannon Gillespie

Date Sampled: 9/22/2015
Date Received: 9/22/2015
Date Analyzed: 9/22/2015
Physical State: Soil Gas

EPA TO-15-Volatile Organics by GC/MS in Air/ Summa Canister

Sample Spiked:	Ambient Air		GC#: TO-092215-CHECKS			
	JEL ID:	ST-8703-10	ST-8703-11	ST-8703-12		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl Chloride	103%	107%	3.9%	60-140	101%	70-130
1,1-Dichloroethylene	145%	145%	0.2%	60-140	141%	70-130
Cis-1,2-Dichloroethene	103%	105%	2.0%	70-130	107%	70-130
1,1,1-Trichloroethane	114%	113%	0.4%	70-130	105%	70-130
Benzene	109%	110%	0.2%	70-130	110%	70-130
Trichloroethylene	117%	115%	1.4%	70-130	119%	70-130
Toluene	101%	100%	1.4%	70-130	101%	70-130
Tetrachloroethene	120%	116%	3.1%	70-130	117%	70-130
Chlorobenzene	110%	111%	0.3%	70-130	101%	70-130
Ethylbenzene	109%	114%	4.0%	70-130	106%	70-130
1,2,4 Trimethylbenzene	115%	115%	0.1%	70-130	105%	70-130
Surrogate Recovery:						
4-Bromofluorobenzene	89%	84%		75-125	86%	75-125

MS = Matrix Spike
 MSD = Matrix Spike Duplicate
 RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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**JONES ENVIRONMENTAL
LABORATORY RESULTS**

Client:	Bereau Veritas North America, Inc	Report date:	10/22/2015
Client Address:	1665 Scenic Ave. Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	E-0420
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/22/2015
Project Address:	929 Baker Street Costa Mesa, CA	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-propanol and n-pentane 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 n-propanol or n-pentane was found 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 gas tight syringe. 3 purge volumes were used.

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, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) 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:

Steve Jones, Ph.D.
Laboratory Manager



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Bereau Veritas North America, Inc	Report date:	10/22/2015
Client Address:	1665 Scenic Ave. Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	E-0420
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/22/2015
Project Address:	929 Baker Street Costa Mesa, CA	Physical State:	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	SV10-5	SV10-5 REP	SV10-10	SV11-5	SV13-5		
<u>JEL ID:</u>	E-0420-01	E-0420-02	E-0420-03	E-0420-04	E-0420-05	<u>Practical</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	0.414	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	1.55	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	SV10-5	SV10-5 REP	SV10-10	SV11-5	SV13-5		
<u>JEL ID:</u>	E-0420-01	E-0420-02	E-0420-03	E-0420-04	E-0420-05	<u>Practical</u> <u>Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	ND	ND	0.040	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	1.28	ND	ND	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	0.252	0.470	15.3*	0.028	0.012	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.040	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.040	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.040	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.040	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.400	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.080	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
<u>Dilution Factor</u>	1	1	1/5*	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	115%	120%	100%	99%	97%	75 - 125	
Toluene-d ₈	99%	100%	107%	106%	108%	75 - 125	
4-Bromofluorobenzene	95%	98%	103%	104%	103%	75 - 125	

E1-102215- E1-102215- E2-102215- E2-102215- E2-102215-
E-0420 E-0420 E-0420 E-0420 E-0420

ND= Not Detected

* = Dilutions for these compound(s); first number for all others



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Bereau Veritas North America, Inc	Report date:	10/22/2015
Client Address:	1665 Scenic Ave. Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	E-0420
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/22/2015
Project Address:	929 Baker Street Costa Mesa, CA	Physical State:	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	SV13-10	SV12-5	SV12-10	SV9-5	SV9-10		
<u>JEL ID:</u>	E-0420-06	E-0420-07	E-0420-08	E-0420-09	E-0420-10	<u>Practical</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	2.06	0.234	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	SV13-10	SV12-5	SV12-10	SV9-5	SV9-10		
JEL ID:	E-0420-06	E-0420-07	E-0420-08	E-0420-09	E-0420-10	Practical Quantitation	Units
Analytes:						Limit	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	ND	ND	0.040	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	0.758	0.030	0.644	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	0.132	0.105	2.81	2.25	3.16	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.040	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.040	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.040	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.040	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.400	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.080	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						QC Limits	
Dibromofluoromethane	119%	121%	100%	117%	101%	75 - 125	
Toluene-d ₈	99%	99%	105%	98%	108%	75 - 125	
4-Bromofluorobenzene	96%	95%	106%	101%	103%	75 - 125	
E1-102215-	E1-102215-	E2-102215-	E1-102215-	E2-102215-			
E-0420	E-0420	E-0420	E-0420	E-0420			

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Bereau Veritas North America, Inc	Report date:	10/22/2015
Client Address:	1665 Scenic Ave. Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	E-0420
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/22/2015
Project Address:	929 Baker Street Costa Mesa, CA	Physical State:	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	SV14-5	SV18-5	SV16-5	SV15-5	SV17-5		
<u>JEL ID:</u>	E-0420-11	E-0420-12	E-0420-13	E-0420-14	E-0420-15	<u>Practical</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	SV14-5	SV18-5	SV16-5	SV15-5	SV17-5		
JEL ID:	E-0420-11	E-0420-12	E-0420-13	E-0420-14	E-0420-15	Practical Quantitation	Units
Analytes:						Limit	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	ND	ND	0.040	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	ND	ND	ND	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	0.041	0.224	ND	0.037	0.041	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.040	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.040	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.040	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.040	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.400	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.080	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						QC Limits	
Dibromofluoromethane	115%	96%	101%	120%	120%	75 - 125	
Toluene-d ₈	100%	109%	106%	100%	100%	75 - 125	
4-Bromofluorobenzene	97%	103%	105%	98%	95%	75 - 125	
E1-102215-	E2-102215-	E2-102215-	E1-102215-	E1-102215-			
E-0420	E-0420	E-0420	E-0420	E-0420			

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Bereau Veritas North America, Inc	Report date:	10/22/2015
Client Address:	1665 Scenic Ave. Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	E-0420
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/22/2015
Project Address:	929 Baker Street Costa Mesa, CA	Physical State:	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	METHOD BLANK	SAMPLING BLANK	METHOD BLANK	SAMPLING BLANK	<u>Practical Quantitation Limit</u>	<u>Units</u>
<u>JEL ID:</u>	E-0420-16	E-0420-17	E-0420-21	E-0420-22		
Analytes:						
Benzene	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	0.008	µg/L

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

<u>Sample ID:</u>	METHOD BLANK	SAMPLING BLANK	METHOD BLANK	SAMPLING BLANK		
<u>JEL ID:</u>	E-0420-16	E-0420-17	E-0420-21	E-0420-22	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>					<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	ND	0.040	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	ND	ND	0.008	µg/L
Toluene	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	0.040	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	0.040	µg/L
Di-isopropylether	ND	ND	ND	ND	0.040	µg/L
tert-amylmethylether	ND	ND	ND	ND	0.040	µg/L
tert-Butylalcohol	ND	ND	ND	ND	0.400	µg/L
TIC:						
n-propanol	ND	ND	ND	ND	0.080	µg/L
n-pentane	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1		
Surrogate Recoveries:					QC Limits	
Dibromofluoromethane	101%	115%	83%	109%	75 - 125	
Toluene-d ₈	97%	100%	119%	100%	75 - 125	
4-Bromofluorobenzene	94%	98%	98%	99%	75 - 125	
E1-102215-	E1-102215-	E2-102215-	E2-102215-			
E-0420	E-0420	E-0420	E-0420			

ND= Not Detected



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**JONES ENVIRONMENTAL
 QUALITY CONTROL INFORMATION**

Client:	Bereau Veritas North America, Inc	Report date:	10/22/2015
Client Address:	1665 Scenic Ave. Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	E-0420
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/22/2015
Project Address:	929 Baker Street Costa Mesa, CA	Physical State:	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked:	Ambient Air		GC#:	E1-102115-0419		
JEL ID:	E-0420-19	E-0420-20		E-0420-18		
	MS	MSD		Acceptability		Acceptability
<u>Parameter</u>	<u>Recovery (%)</u>	<u>Recovery (%)</u>	<u>RPD</u>	<u>Range (%)</u>	<u>LCS</u>	<u>Range (%)</u>
Vinyl Chloride	90%	86%	4.6%	60-140	100%	70-130
1,1-Dichloroethylene	91%	90%	0.7%	60-140	103%	70-130
Cis-1,2-Dichloroethene	95%	100%	4.5%	70-130	113%	70-130
1,1,1-Trichloroethane	97%	101%	3.8%	70-130	115%	70-130
Benzene	88%	89%	1.0%	70-130	103%	70-130
Trichloroethylene	97%	98%	1.8%	70-130	111%	70-130
Toluene	86%	90%	4.3%	70-130	103%	70-130
Tetrachloroethene	99%	98%	1.8%	70-130	112%	70-130
Chlorobenzene	101%	103%	1.3%	70-130	113%	70-130
Ethylbenzene	98%	97%	0.8%	70-130	113%	70-130
1,2,4 Trimethylbenzene	74%	76%	2.6%	70-130	94%	70-130
<u>Surrogate Recovery:</u>						
Dibromofluoromethane	97%	96%		75-125	97%	75-125
Toluene-d ₈	100%	98%		75-125	98%	75-125
4-Bromofluorobenzene	99%	94%		75-125	94%	75-125

MS = Matrix Spike
 MSD = Matrix Spike Duplicate
 RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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**JONES ENVIRONMENTAL
 QUALITY CONTROL INFORMATION**

Client:	Bereau Veritas North America, Inc	Report date:	10/22/2015
Client Address:	1665 Scenic Ave. Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	E-0420
Attn:	Gustavo Valdivia	Client Ref. No.:	25015-015276. 01.101
Project:	DeNova Homes	Date Sampled:	10/22/2015
Project Address:	929 Baker Street Costa Mesa, CA	Date Received:	10/22/2015
		Date Analyzed:	10/22/2015
		Physical State:	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked:	Ambient Air		GC#:	E2-102115-E-0419		
JEL ID:	E-0420-24	E-0420-25		E-0420-23		
	MS	MSD		Acceptability		Acceptability
<u>Parameter</u>	<u>Recovery (%)</u>	<u>Recovery (%)</u>	<u>RPD</u>	<u>Range (%)</u>	<u>LCS</u>	<u>Range (%)</u>
Vinyl Chloride	93%	99%	6.6%	60-140	93%	70-130
1,1-Dichloroethylene	109%	101%	7.7%	60-140	110%	70-130
Cis-1,2-Dichloroethene	108%	105%	3.1%	70-130	114%	70-130
1,1,1-Trichloroethane	114%	108%	5.1%	70-130	119%	70-130
Benzene	116%	111%	4.3%	70-130	120%	70-130
Trichloroethylene	103%	100%	3.3%	70-130	112%	70-130
Toluene	101%	98%	3.7%	70-130	104%	70-130
Tetrachloroethene	115%	112%	2.6%	70-130	118%	70-130
Chlorobenzene	105%	103%	2.3%	70-130	110%	70-130
Ethylbenzene	103%	91%	12%	70-130	105%	70-130
1,2,4 Trimethylbenzene	91%	89%	1.8%	70-130	97%	70-130
<u>Surrogate Recovery:</u>						
Dibromofluoromethane	94%	98%		75-125	98%	75-125
Toluene-d ₈	108%	112%		75-125	112%	75-125
4-Bromofluorobenzene	102%	110%		75-125	112%	75-125

MS = Matrix Spike
 MSD = Matrix Spike Duplicate
 RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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Chain-of-Custody Record

Client Bureau Veritas North America, Inc
Project Name
Project Address 929 Baker Street
 Costa Mesa, CA
Project Contact Gustavo Valdivia / Nick Hagen

Date 10/22/15
Client Project #
Turn Around Requested:
 Immediate Attention
 24
 48
 72
 Normal
 Mobile Lab

JEL Project # E-0420
Page 1 **of** 2
Lab Use Only
 Sample Condition as Received:
 Chilled yes no
 Sealed yes no

SOIL GAS
 Purge Number: 1P 3P 7P 10P
 Purge Rate: 200 cc/min
 Shut in Test / N
 Tracer:
 n-propanol
 n-pentane
 1,1-DFA
 Helium

Analysis Requested
 Number of Containers
 Magnehelic Vacuum (mH₂O)
 Sample Matrix: EPA 8260B (VOCs & OXYS)
 Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: EPA 8260B (VOCs & OXYS) Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Magnehelic Vacuum (mH ₂ O)	Number of Containers	Remarks/Special Instructions
SV10-5	3	1625	10/22	1136	1137	E-0420-01	SG X	25	2	gaslight glass syringe
SV10-5 REP	3	1625	10/22	1200	1202	E-0420-02	SG X	25	2	
SV10-10	3	1707	10/22	1136	1137	E-0420-03	SG X	25	2	
SV11-5	3	1625	10/22	1206	1208	E-0420-04	SG X	45	2	LOW FLOW
SV10-10 DIL			10/22	1228	1229		SG X	25	1	
SV13-5	3	1625	10/22	1343	1345	E-0420-05	SG X	10	2	
SV13-10	3	1707	10/22	1307	1308	E-0420-06	SG X	60	2	LOW FLOW
SV12-5	3	1625	10/22	1408	1410	E-0420-07	SG X	90	2	LOW FLOW
SV12-10	3	1707	10/22	1408	1410	E-0420-08	SG X	75	2	LOW FLOW
SV9-5	3	1625	10/22	1614	1616	E-0420-09	SG X	10	2	LOW FLOW

1 Relinquished by (signature) [Signature]
Date 10-28-15
Company BVA, INC.

2 Received by (signature) [Signature]
Date 10/23/15
Company Jones Environmental

3 Relinquished by (signature)
Date
Company

4 Received by Laboratory (signature)
Date
Company

Total Number of Containers 10

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

EDD EDF



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 Santa Fe Springs, CA 90670
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 (562) 646-1611
 www.jonesenv.com

Chain-of-Custody Record

Client Bureau Veritas North America Inc
Project Name
Project Address 929 Burke Street
 Costa Mesa, CA
Project Contact Gustavo Valdivia / Mike Hagen

Date 10.22.15
Client Project #
Turn Around Requested:
 Immediate Attention
 Rush:
 24 48 72
 Normal
 Mobile Lab

SOIL GAS
 Purge Number: 1P 3P 7P 10P
 Purge Rate: 2.20 cc/min
 Shut in Test: 0 / N
 Tracer:
 n-propanol
 n-pentane
 1,1-DFA
 Helium

JEL Project # E-0420
Page 2 **of** 2
Lab Use Only
 Sample Condition as Received:
 Chilled yes no
 Sealed yes no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Number of Containers	Magnehelic Vacuum (inH ₂ O)	Analysis Requested	Remarks/Special Instructions
SV9-10	3	1707	10/22	1615	1616	E-0420-10	SG X	2	910	2	got tight gym syringe
SV14-5	3	1625	10/22	1648	1650	E-0420-11	SG X	2	65	2	DID NOT WAIT FULL 2 HOUR EQUILIBRIUM TIME
SV18-5	3	1625	10/22	1649	1650	E-0420-12	SL X	2	60	2	LOW FLOW
SV16-5	3	1625	10/22	1710	1710	E-0420-13	SG X	2	50	2	LOW FLOW
SV15-5	3	1625	10/22	1708	1709	E-0420-14	SL X	2	65	2	LOW FLOW
SV17-5	3	1625	10/22	1714	1717	E-0420-15	SG X	2	60	2	LOW FLOW

1 Relinquished by (signature) [Signature]
Date 10.22.15
Company BYNA, INC.

2 Received by (signature) [Signature]
Date 10/22/15
Company Junio Environmental

3 Relinquished by (signature)
Date
Company

4 Received by Laboratory (signature)
Date
Company

Total Number of Containers

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

EDD EDF



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**JONES ENVIRONMENTAL
LABORATORY RESULTS**

Client:	Bureau Veritas North America, Inc.	Report date:	10/26/2015
Client Address:	1665 Scenic Ave., Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	ST-8817
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/23/2015
Project Address:	929 Baker St. Costa Mesa, CA	Physical State:	Soil

ANALYSES REQUESTED

1. EPA 8015 - Extended Range Hydrocarbons (ASTM 2887)
2. EPA 8260B by 5035- Volatile Organics by GC/MS + Oxygenates/Total Petroleum Hydrocarbons

Approval:

Steve Jones, Ph.D.
Laboratory Manager



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**JONES ENVIRONMENTAL
 LABORATORY RESULTS**

Client:	Bureau Veritas North America, Inc.	Report date:	10/26/2015
Client Address:	1665 Scenic Ave., Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	ST-8817
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/23/2015
Project Address:	929 Baker St. Costa Mesa, CA	Physical State:	Soil

EPA 8015 - Extended Range Hydrocarbons (ASTM 2887)

Sample ID: SV-10 2-2.5 SV-10 9.5-10 SV-11 4.5-5 SV-12 4.5-5 SV-12 9.5-10

JEL ID:	ST-8817-01	ST-8817-03	ST-8817-05	ST-8817-07	ST-8817-08	Practical Quantitation Limit	Units
Carbon Chain Range							
C8 - C9	ND	ND	ND	ND	ND	1.0	mg/kg
C10 - C11	ND	ND	ND	ND	ND	1.0	mg/kg
C12 - C13	ND	ND	ND	ND	ND	1.0	mg/kg
C14 - C15	ND	ND	ND	ND	ND	1.0	mg/kg
C16 - C17	ND	ND	ND	ND	ND	1.0	mg/kg
C18 - C19	ND	ND	ND	ND	ND	1.0	mg/kg
C20 - C23	ND	ND	ND	ND	ND	1.0	mg/kg
C24 - C27	ND	ND	ND	ND	ND	1.0	mg/kg
C28 - C31	ND	ND	ND	ND	ND	1.0	mg/kg
C32 - C35	ND	ND	ND	ND	ND	1.0	mg/kg
C36 - C39	ND	ND	ND	ND	ND	1.0	mg/kg
C40 - C43	ND	ND	ND	ND	ND	1.0	mg/kg
C44+	ND	ND	ND	ND	ND	1.0	mg/kg
Total	ND	ND	ND	ND	ND		mg/kg

Dilution Factor 1 1 1 1 1

Surrogate Recovery:						QC Limits
Hexacosane	78%	80%	81%	78%	81%	65 - 125
	8015_ 151023_01	8015_ 151023_01	8015_ 151023_01	8015_ 151023_01	8015_ 151023_01	

ND = Not Detected

C8 - C12	ND	ND	ND	ND	ND		mg/kg
C13 - C22	ND	ND	ND	ND	ND		mg/kg
C23 - C32	ND	ND	ND	ND	ND		mg/kg



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**JONES ENVIRONMENTAL
 LABORATORY RESULTS**

Client:	Bureau Veritas North America, Inc.	Report date:	10/26/2015
Client Address:	1665 Scenic Ave., Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	ST-8817
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/23/2015
Project Address:	929 Baker St. Costa Mesa, CA	Physical State:	Soil

EPA 8015 - Extended Range Hydrocarbons (ASTM 2887)

Sample ID:	SV-13 4.5-5	SV-13 9.5-10	SV-9 2-2.5	SV-9 4.5-5	SV-9 9.5-10		
JEL ID:	ST-8817-10	ST-8817-11	ST-8817-12	ST-8817-13	ST-8817-14	Practical Quantitation Limit	Units
Carbon Chain Range							
C8 - C9	ND	ND	ND	ND	ND	1.0	mg/kg
C10 - C11	ND	ND	ND	ND	ND	1.0	mg/kg
C12 - C13	ND	ND	ND	ND	ND	1.0	mg/kg
C14 - C15	ND	ND	ND	ND	ND	1.0	mg/kg
C16 - C17	ND	ND	ND	ND	ND	1.0	mg/kg
C18 - C19	ND	ND	ND	ND	ND	1.0	mg/kg
C20 - C23	ND	ND	ND	ND	ND	1.0	mg/kg
C24 - C27	ND	ND	ND	ND	ND	1.0	mg/kg
C28 - C31	ND	ND	ND	ND	ND	1.0	mg/kg
C32 - C35	ND	ND	ND	ND	ND	1.0	mg/kg
C36 - C39	ND	ND	ND	ND	ND	1.0	mg/kg
C40 - C43	ND	ND	ND	ND	ND	1.0	mg/kg
C44+	ND	ND	ND	ND	ND	1.0	mg/kg
Total	ND	ND	ND	ND	ND		mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recovery:						QC Limits	
Hexacosane	78%	81%	77%	83%	80%	65 - 125	
	8015_ 151023_01	8015_ 151023_01	8015_ 151023_01	8015_ 151023_01	8015_ 151023_01		

ND = Not Detected

C8 - C12	ND	ND	ND	ND	ND		mg/kg
C13 - C22	ND	ND	ND	ND	ND		mg/kg
C23 - C32	ND	ND	ND	ND	ND		mg/kg



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**JONES ENVIRONMENTAL
 LABORATORY RESULTS**

Client:	Bureau Veritas North America, Inc.	Report date:	10/26/2015
Client Address:	1665 Scenic Ave., Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	ST-8817
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/23/2015
Project Address:	929 Baker St. Costa Mesa, CA	Physical State:	Soil

EPA 8015 - Extended Range Hydrocarbons (ASTM 2887)

Sample ID: SV-14 4.5-5 SV-15 4.5-5 SV-16 4.5-5 SV-17 4.5-5 SV-18 4.5-5

JEL ID:	ST-8817-16	ST-8817-18	ST-8817-20	ST-8817-22	ST-8817-24	Practical Quantitation Limit	Units
Carbon Chain Range							
C8 - C9	ND	ND	ND	ND	ND	1.0	mg/kg
C10 - C11	ND	ND	ND	ND	ND	1.0	mg/kg
C12 - C13	ND	ND	ND	ND	ND	1.0	mg/kg
C14 - C15	ND	ND	ND	ND	ND	1.0	mg/kg
C16 - C17	ND	ND	ND	ND	ND	1.0	mg/kg
C18 - C19	ND	ND	ND	ND	ND	1.0	mg/kg
C20 - C23	ND	ND	ND	ND	ND	1.0	mg/kg
C24 - C27	ND	ND	ND	ND	ND	1.0	mg/kg
C28 - C31	ND	ND	ND	ND	ND	1.0	mg/kg
C32 - C35	ND	ND	ND	ND	ND	1.0	mg/kg
C36 - C39	ND	ND	ND	ND	ND	1.0	mg/kg
C40 - C43	ND	ND	ND	ND	ND	1.0	mg/kg
C44+	ND	ND	ND	ND	ND	1.0	mg/kg
Total	ND	ND	ND	ND	ND		mg/kg

Dilution Factor 1 1 1 1 1

Surrogate Recovery:						QC Limits
Hexacosane	81%	81%	82%	81%	81%	65 - 125
	8015_ 151023_01	8015_ 151023_01	8015_ 151023_01	8015_ 151023_01	8015_ 151023_01	

ND = Not Detected

C8 - C12	ND	ND	ND	ND	ND		mg/kg
C13 - C22	ND	ND	ND	ND	ND		mg/kg
C23 - C32	ND	ND	ND	ND	ND		mg/kg



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**JONES ENVIRONMENTAL
 LABORATORY RESULTS**

Client:	Bureau Veritas North America, Inc.	Report date:	10/26/2015
Client Address:	1665 Scenic Ave., Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	ST-8817
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/23/2015
Project Address:	929 Baker St. Costa Mesa, CA	Physical State:	Soil

EPA 8015 - Extended Range Hydrocarbons (ASTM 2887)

<u>Sample ID:</u>	METHOD		
	BLANK		
<u>JEL ID:</u>	MB-	<u>Practical</u>	<u>Units</u>
	151023_01	<u>Quantitation</u>	
<u>Carbon Chain Range</u>		<u>Limit</u>	
C8 - C9	ND	1.0	mg/kg
C10 - C11	ND	1.0	mg/kg
C12 - C13	ND	1.0	mg/kg
C14 - C15	ND	1.0	mg/kg
C16 - C17	ND	1.0	mg/kg
C18 - C19	ND	1.0	mg/kg
C20 - C23	ND	1.0	mg/kg
C24 - C27	ND	1.0	mg/kg
C28 - C31	ND	1.0	mg/kg
C32 - C35	ND	1.0	mg/kg
C36 - C39	ND	1.0	mg/kg
C40 - C43	ND	1.0	mg/kg
C44+	ND	1.0	mg/kg
Total	ND		mg/kg

Dilution Factor 1

Surrogate Recovery: Hexacosane 83% **QC Limits**
65 - 125

8015_
151023_01

ND = Not Detected

C8 - C12	ND	mg/kg
C13 - C22	ND	mg/kg
C23 - C32	ND	mg/kg



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**JONES ENVIRONMENTAL
 QUALITY CONTROL INFORMATION**

Client:	Bureau Veritas North America, Inc.	Report date:	10/26/2015
Client Address:	1665 Scenic Ave., Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	ST-8817
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/23/2015
Project Address:	929 Baker St. Costa Mesa, CA	Physical State:	Soil

EPA 8015 - Extended Range Hydrocarbons (ASTM 2887)

Sample Spiked:	CLEAN SOIL		GC#:	8015_151023_01		
JEL ID:	MS-151023_01	MSD-151023_01		CCV-151023_01		
<u>Parameter</u>	MS Recovery (%)	MSD Recovery (%)	<u>RPD</u>	Acceptability Range (%)	<u>CCV</u>	Acceptability Range (%)
Diesel	100%	102%	2.1%	70-130	94%	85-115

MS = Matrix Spike
 MSD = Matrix Spike Duplicate
 RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Bureau Veritas North America, Inc.	Report date:	10/26/2015
Client Address:	1665 Scenic Ave., Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	ST-8817
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/23/2015
Project Address:	929 Baker St. Costa Mesa, CA	Physical State:	Soil

EPA 8260B by 5035-Volatile Organics by GC/MS + Oxygenates/Total Petroleum Hydrocarbons

Sample ID: SV-10 2-2.5 SV-10 9.5-10 SV-11 4.5-5 SV-12 4.5-5 SV-12 9.5-10

JEL ID:	ST-8817-01	ST-8817-03	ST-8817-05	ST-8817-07	ST-8817-08	Practical Quantitation Limit	Units
Analytes:							
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035-Volatile Organics by GC/MS + Oxygenates/Total Petroleum Hydrocarbons

Sample ID: SV-10 2-2.5 SV-10 9.5-10 SV-11 4.5-5 SV-12 4.5-5 SV-12 9.5-10

JEL ID:	ST-8817-01	ST-8817-03	ST-8817-05	ST-8817-07	ST-8817-08	Practical Quantitation Limit	Units
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
TPH Gasoline Range	ND	ND	ND	ND	ND	0.20	mg/kg

Dilution Factor 1 1 1 1 1

Surrogate Recoveries:						QC Limits
Dibromofluoromethane	109%	107%	106%	111%	113%	60 - 140
Toluene-d ₈	123%	118%	120%	117%	122%	60 - 140
4-Bromofluorobenzene	102%	97%	94%	96%	103%	60 - 140

VOC3-102315-CHECKS VOC3-102315-CHECKS VOC3-102315-CHECKS VOC3-102315-CHECKS VOC3-102315-CHECKS

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Bureau Veritas North America, Inc.	Report date:	10/26/2015
Client Address:	1665 Scenic Ave., Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	ST-8817
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/23/2015
Project Address:	929 Baker St. Costa Mesa, CA	Physical State:	Soil

EPA 8260B by 5035-Volatile Organics by GC/MS + Oxygenates/Total Petroleum Hydrocarbons

<u>Sample ID:</u>	SV-13 4.5-5	SV-13 9.5-10	SV-9 2-2.5	SV-9 4.5-5	SV-9 9.5-10		
<u>JEL ID:</u>	ST-8817-10	ST-8817-11	ST-8817-12	ST-8817-13	ST-8817-14	<u>Practical</u>	<u>Units</u>
<u>Analytes:</u>						<u>Quantitation</u>	
						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	28.0	10.0	4.6	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035-Volatile Organics by GC/MS + Oxygenates/Total Petroleum Hydrocarbons

<u>Sample ID:</u>	SV-13 4.5-5	SV-13 9.5-10	SV-9 2-2.5	SV-9 4.5-5	SV-9 9.5-10		
<u>JEL ID:</u>	ST-8817-10	ST-8817-11	ST-8817-12	ST-8817-13	ST-8817-14	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	2.9	23.9	13.9	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
TPH Gasoline Range	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	106%	110%	111%	111%	110%	60 - 140	
Toluene-d ₈	115%	120%	120%	121%	124%	60 - 140	
4-Bromofluorobenzene	96%	97%	94%	99%	95%	60 - 140	
	VOC3-102315- CHECKS	VOC3-102315- CHECKS	VOC3-102315- CHECKS	VOC3-102315- CHECKS	VOC3-102315- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Bureau Veritas North America, Inc.	Report date:	10/26/2015
Client Address:	1665 Scenic Ave., Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	ST-8817
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/23/2015
Project Address:	929 Baker St. Costa Mesa, CA	Physical State:	Soil

EPA 8260B by 5035-Volatile Organics by GC/MS + Oxygenates/Total Petroleum Hydrocarbons

<u>Sample ID:</u>	SV-14 4.5-5	SV-15 4.5-5	SV-16 4.5-5	SV-17 4.5-5	SV-18 4.5-5		
<u>JEL ID:</u>	ST-8817-16	ST-8817-18	ST-8817-20	ST-8817-22	ST-8817-24	<u>Practical</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	3.6	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035-Volatile Organics by GC/MS + Oxygenates/Total Petroleum Hydrocarbons

<u>Sample ID:</u>	SV-14 4.5-5	SV-15 4.5-5	SV-16 4.5-5	SV-17 4.5-5	SV-18 4.5-5		
<u>JEL ID:</u>	ST-8817-16	ST-8817-18	ST-8817-20	ST-8817-22	ST-8817-24	<u>Practical Quantitation</u>	<u>Units</u>
<u>Analytes:</u>						<u>Limit</u>	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	1.4	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Xylenes	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
TPH Gasoline Range	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	108%	109%	111%	109%	111%	60 - 140	
Toluene-d ₈	116%	118%	120%	120%	121%	60 - 140	
4-Bromofluorobenzene	94%	91%	96%	94%	96%	60 - 140	
	VOC3-102315- CHECKS	VOC3-102315- CHECKS	VOC3-102315- CHECKS	VOC3-102315- CHECKS	VOC3-102315- CHECKS		

ND= Not Detected



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Bureau Veritas North America, Inc.	Report date:	10/26/2015
Client Address:	1665 Scenic Ave., Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	ST-8817
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/23/2015
Project Address:	929 Baker St. Costa Mesa, CA	Physical State:	Soil

EPA 8260B by 5035-Volatile Organics by GC/MS + Oxygenates/Total Petroleum Hydrocarbons

<u>Sample ID:</u>	METHOD		
	BLANK		
<u>JEL ID:</u>	ST-8817-25	<u>Practical</u>	<u>Units</u>
Analytes:		<u>Quantitation</u>	
		<u>Limit</u>	
Benzene	ND	1.0	µg/kg
Bromobenzene	ND	1.0	µg/kg
Bromodichloromethane	ND	1.0	µg/kg
Bromoform	ND	1.0	µg/kg
n-Butylbenzene	ND	1.0	µg/kg
sec-Butylbenzene	ND	1.0	µg/kg
tert-Butylbenzene	ND	1.0	µg/kg
Carbon tetrachloride	ND	1.0	µg/kg
Chlorobenzene	ND	1.0	µg/kg
Chloroform	ND	1.0	µg/kg
2-Chlorotoluene	ND	1.0	µg/kg
4-Chlorotoluene	ND	1.0	µg/kg
Dibromochloromethane	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	1.0	µg/kg
Dibromomethane	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	1.0	µg/kg
1,1-Dichloroethane	ND	1.0	µg/kg
1,2-Dichloroethane	ND	1.0	µg/kg
1,1-Dichloroethene	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	1.0	µg/kg
1,2-Dichloropropane	ND	1.0	µg/kg
1,3-Dichloropropane	ND	1.0	µg/kg
2,2-Dichloropropane	ND	1.0	µg/kg
1,1-Dichloropropene	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035-Volatile Organics by GC/MS + Oxygenates/Total Petroleum Hydrocarbons

<u>Sample ID:</u>	METHOD		
	BLANK		
<u>JEL ID:</u>	ST-8817-25		
Analytes:		<u>Practical</u>	<u>Units</u>
		<u>Quantitation</u>	
		<u>Limit</u>	
cis-1,3-Dichloropropene	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	1.0	µg/kg
Ethylbenzene	ND	1.0	µg/kg
Freon 113	ND	5.0	µg/kg
Hexachlorobutadiene	ND	1.0	µg/kg
Isopropylbenzene	ND	1.0	µg/kg
4-Isopropyltoluene	ND	1.0	µg/kg
Methylene chloride	ND	1.0	µg/kg
Naphthalene	ND	1.0	µg/kg
n-Propylbenzene	ND	1.0	µg/kg
Styrene	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	1.0	µg/kg
Tetrachloroethylene	ND	1.0	µg/kg
Toluene	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	1.0	µg/kg
Trichloroethylene	ND	1.0	µg/kg
Trichlorofluoromethane	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	1.0	µg/kg
Vinyl chloride	ND	1.0	µg/kg
Xylenes	ND	1.0	µg/kg
MTBE	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	5.0	µg/kg
Di-isopropylether	ND	5.0	µg/kg
tert-amylmethylether	ND	5.0	µg/kg
tert-Butylalcohol	ND	50.0	µg/kg
TPH Gasoline Range	ND	0.20	mg/kg
<u>Dilution Factor</u>	1		
<u>Surrogate Recoveries:</u>		<u>QC Limits</u>	
Dibromofluoromethane	104%	60 - 140	
Toluene-d ₈	112%	60 - 140	
4-Bromofluorobenzene	91%	60 - 140	

VOC3-102315-CHECKS

ND= Not Detected



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**JONES ENVIRONMENTAL
 QUALITY CONTROL INFORMATION**

Client:	Bureau Veritas North America, Inc.	Report date:	10/26/2015
Client Address:	1665 Scenic Ave., Suite 200 Costa Mesa, CA 92626	JEL Ref. No.:	ST-8817
		Client Ref. No.:	25015-015276. 01.101
Attn:	Gustavo Valdivia	Date Sampled:	10/22/2015
		Date Received:	10/22/2015
Project:	DeNova Homes	Date Analyzed:	10/23/2015
Project Address:	929 Baker St. Costa Mesa, CA	Physical State:	Soil

EPA 8260B by 5035-Volatile Organics by GC/MS + Oxygenates/Total Petroleum Hydrocarbons

Sample Spiked:	CLEAN SOIL		GC#:	VOC3-102315-CHECKS		
JEL ID:	ST-8817-27	ST-8817-28		ST-8817-26		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
Vinyl Chloride	78%	73%	7.7%	60-140	76%	70-130
1,1-Dichloroethylene	91%	92%	1.2%	60-140	95%	70-130
Cis-1,2-Dichloroethene	89%	86%	3.2%	70-130	91%	70-130
1,1,1-Trichloroethane	86%	84%	2.8%	70-130	88%	70-130
Benzene	86%	84%	1.6%	70-130	88%	70-130
Trichloroethylene	83%	81%	1.9%	70-130	88%	70-130
Toluene	61%	60%	0.9%	70-130	62%	70-130
Tetrachloroethene	63%	59%	7.5%	70-130	64%	70-130
Chlorobenzene	61%	61%	0.9%	70-130	64%	70-130
Ethylbenzene	65%	65%	0.8%	70-130	67%	70-130
1,2,4 Trimethylbenzene	54%	57%	5.3%	70-130	59%	70-130
TPH Gasoline Range	74%	73%	1.8%	70-130		
Surrogate Recovery:						
Dibromofluoromethane	115%	108%		75-125	110%	75-125
Toluene-d ₈	120%	114%		75-125	114%	75-125
4-Bromofluorobenzene	96%	93%		75-125	94%	75-125

MS = Matrix Spike
 MSD = Matrix Spike Duplicate
 RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



11007 Forest Place
 Santa Fe Springs, CA 90670
 (714) 449-9937
 (562) 646-1611
 www.jonesenv.com

Chain-of-Custody Record

Client BVNA, INC. **Date** 10-22-15

Project Name De Nova Homes **Client Project #** -015276.01

Project Address 929 BAKER ST.

COSTA MESA, CA

Project Contact NICK HAGEN

Turn Around Requested:
 Immediate Attention
 Rush: 2-3
 24 48 72
 Normal Mobile Lab

SOIL GAS
 Purge Number: 1P 3P 7P 10P
 Purge Rate: _____ cc/min
 Shut in Test Y / N _____
 Tracer: n-propanol n-pentane 1,1-DFA Helium

JEL Project # ST-8817
Page 1 of 3
Lab Use Only
 Sample Condition as Received: yes no
 Chilled yes no
 Sealed yes no

Analysis Requested
VOCS + OXS + TPH
TPH-FULL RANGE
Soil Gas (SG)

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Mark: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Number of Containers	Remarks/Special Instructions
SV-10 2-2.5			10/24/15	0900		ST-8817-01	X		
SV-10 4.5-5				0900		-02	X		
SV-10 9.5-10				0900		-03	X		
SV-11 2-2.5				0940		-04	X		
SV-11 4.5-5				0940		-05	X		
SV-12 2-2.5				1000		-06	X		
SV-12 4.5-5				1000		-07	X		
SV-12 9.5-10				1000		-08	X		
SV-13 2-2.5				1100		-09	X		
SV-13 4.5-5				1100		-10	X		

1 Relinquished by (signature) [Signature] **Date** 10-22-15 **Time** _____

2 Received by (signature) [Signature] **Date** 10-22-15 **Time** _____

3 Relinquished by (signature) [Signature] **Date** 10-22-15 **Time** _____

4 Received by Laboratory (signature) [Signature] **Date** 10-22-15 **Time** _____

Company BVNA, INC. **Company** _____

Company _____ **Company** _____

Total Number of Containers _____

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

EDD EDF



11007 Forest Place
 Santa Fe Springs, CA 90670
 (714) 449-9937
 (562) 646-1611
 www.jonesenv.com

Chain-of-Custody Record

JEL Project # ST-8817
 Page 2 of 3
 Lab Use Only
 Sample Condition as Received:
 Chilled yes no
 Sealed yes no

SOIL GAS
 Purge Number: J1P J3P J7P J10P
 Purge Rate: _____ cc/min
 Shut in Test Y / N
 Tracer:
 n-propanol
 n-pentane
 1,1-DFA
 Helium

Date 10-22-15
 Client Project # -015276.01
 Turn Around Requested:
 Immediate Attention
 Rush: 2-3
 24 48 72
 Normal
 Mobile Lab

Client BVNA, INC.
 Project Name De Nova Homes
 Project Address 929 BAKER ST.
COSTA MESA, CA
 Project Contact NICK HAGREN

Analysis Requested
 Magnetic Vacuum (mH₂O)
 Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	TPH-FOL RANGE (S)	SOIL GAS (SG)	Remarks/Special Instructions
SV-13	9.5-10		10/24/15	1100		ST-8817-11	X	X	
SV-9	2-2.5			1300		-12	X	X	
SV-9	4.5-5			1300		-13	X	X	
SV-9	9.5-10			1300		-14	X	X	
SV-14	2-2.5			1400		-15	X	X	
SV-14	4.5-5			1400		-16	X	X	
SV-15	2-2.5			1600		-17	X	X	
SV-15	4.5-5			1600		-18	X	X	
SV-16	2-2.5			1630		-19	X	X	
SV-16	4.5-5			1630		-20	X	X	

Received by (signature) [Signature] Date 10-22-15
 Received by (signature) [Signature] Date 10/24/15
 Company BVNA, INC.
 Received by Laboratory (signature) [Signature] Date 1735
 Received by Laboratory (signature) _____ Date _____
 Company _____
 Company _____
 Total Number of Containers _____
 The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.
 EDD EDF



September 18, 2015

Cardno ERI 0132811107.W01

Cardno

25371 Commercentre Drive
Suite 250
Lake Forest, CA 92630
USA

Phone: +1 800 499 8950
Fax: +1 949 457 8956

www.cardno.com

Mr. Kent Ramseyer

Newport Mesa Unified School District

2985 Bear Street, Bldg., E,

Costa Mesa, California 92626

**SUBJECT Work Plan to Conduct a Vapor Rebound Test of the
Air Sparge/Soil Vapor Extraction System**
NMUSD Maintenance Yard
2985 Bear Street
Costa Mesa, CA 02626
OCHCA Case No. 91UT021

Mr. Ramseyer:

Cardno ERI has prepared this work plan for the Newport Mesa Unified School District (NMUSD) for the above-referenced site (Figure 1). The proposed work consists of conducting a vapor rebound test of the AS/SVE system due to low influent vapor hydrocarbon concentrations and low wellhead field instrument readings. If warranted, following the evaluation of the data obtained from the vapor rebound test, Cardno proposes to close down the AS/SVE portion of the remediation system and remove the equipment from the site. The groundwater extraction and treatment system will not be affected and will continue to operate. The proposed work is in response to the Orange County Health Care Agency's (OCHCA) conference call of September 15, 2015.

SITE DESCRIPTION

The subject site is the maintenance yard facility for the Newport-Mesa Unified School District. The site facilities include two gasoline USTs, one dispenser island, a maintenance and operations building and a bus garage. The approximate locations of the current site features are shown on

Figure 2. The site is located in a predominantly residential area in Costa Mesa, California, at the southwestern corner of the intersection of Baker Street and Bear Street (Figure 1). Baker Street Self Storage is located immediately west of the subject site. The West Coast School of Arts is located on the northeast corner of the intersection. A commercial shopping center is located on the southeastern corner of the intersection. Apartment complexes are located adjacent to the site to the north and east. Sonora Elementary school is located directly south/southwest of the site. There are a number of groundwater wells off-site to the south. These wells are not believed to be affected by the AS/SVE system and are not included in this report.

PREVIOUS WORK

Prior to Cardno ERI's involvement at the site, several subsurface investigations were performed and a number of groundwater, SVE and AS wells were installed. Reports regarding those investigations including boring logs, laboratory reports and well construction diagrams, are available at the OCHCA or in the public domain on Geo-tracker. Cardno ERI conducted AS/SVE activities using a SoilTherm thermal/catalytic oxidizer from March of 2007 through September of 2012. The system operated thermally until June of 2008 when it was switched to catalytic operation for more efficient use of auxiliary fuel. For a summary of the Thermal/Catalytic operation please refer to Tables 1 and 3. In September of 2012 a thermocouple failed and the catalyst overheated. Rather than replace the catalyst the oxidizer was removed and soil vapors were treated with activated carbon. For a summary of the operation with activated carbon see Tables 2 and 4. In addition to AS/SVE the site is also being treated by extracting and treating groundwater. Operation of the AS/SVE and P&T systems have reduced the concentration of TPHg in the groundwater from over 2,000,000 micrograms per liter ($\mu\text{g/L}$) in 2007 to less than 1000 in 2015 except in the center of the site. See Table A-1 and iso-concentration maps on Figures 2 and 2-A.

PROPOSED WORK FOR VAPOR REBOUND TEST

Cardno ERI proposes to conduct a vapor rebound test as a result of low influent concentrations and low quantities of Hydrocarbons being removed (Tables 1 and 2). Fieldwork will be conducted under the direct supervision of a California professional geologist and in accordance with applicable regulatory guidelines. The vapor rebound test will be conducted in accordance with the procedures summarized below. Previously the AS/SVE system had been turned off to allow groundwater flow direction to stabilize prior to quarterly groundwater sampling. When the system was restarted the initial vapor concentration of TPHg jumped from about 5 ppmv to 40 to 60 ppmv. However, the vapor concentration rather quickly returned to the previous low levels. The purpose of this test is to document the previous observations and to determine if continued operation of the AS/SVE system is warranted.

Influent Vapor Rebound Testing

The shutdown of the remediation system will proceed before the other work activities proposed in this work plan. The OCHCA will be notified at least 48 hours prior to system shutdown and restart. Prior to system shutdown, influent vapor samples will be collected from each of the wells which are currently used for extraction and checked with a PID. In addition a sample will be taken from the vapor stream entering the carbon treatment system and subjected to laboratory analysis. During the rebound test period, the AS/SVE system will be shut down for at least 30 days. After this period, the AS/SVE system will be restarted. Wells currently connected to the system include wells AS/SVE1, AS/SVE2, and MW7. Each of these wells will be turned on individually and vapor samples will be collected within 20 minutes and analyzed using a PID. All wells will then be turned on and a Tedlar[®] bag sample will be taken of the combined stream within the first hour of operation. The system will be allowed to operate for another 15 days and a second set of field readings and a Tedlar[®] bag sample will be taken. If the field readings indicate vapor concentrations are less than 10 ppmv the wells will be turned off pending results of the laboratory analyses and a final report. If the field results indicate concentrations are greater than 10 ppmv the system will be operated for another 15 days and the field and laboratory sampling will be repeated.

Laboratory Analyses

The vapor rebound samples will be collected in Tedlar[®] bags and transported under COC to a state-certified analytical laboratory. The vapor samples will be analyzed for TPHg calibrated to a hexane standard by EPA Method TO-3M and for BTEX and fuel oxygenates by EPA Method TO-15M. Fuel oxygenates to be analyzed include MTBE, DIPE, ETBE, TAME and TBA.

REPORT

After completion of the proposed field activities, Cardno ERI will prepare a report summarizing field and laboratory procedures. The report will be submitted to NMUSD and the OCHCA and will be signed by a State of California professional geologist.



CONTACT INFORMATION

- The responsible party contact is Mr. Kent Ramseyer, Environmental Manager NMUSD, 2985 Bear Street, Costa Mesa, California 92626.
- The consultant contact is Mr. Joseph E. O'Connell, Cardno ERI, 25371 Commercentre Drive, Suite 250, Lake Forest, California 92630.
- The agency contact is Ms. Denamarie Baker, OCHCA, 1241 East Dyer Road, Suite 120, Santa Ana, California 92705-5611.

LIMITATIONS

For any documents cited that were not generated by Cardno ERI, the data taken from those documents is used "as is" and is assumed to be accurate. Cardno ERI does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these documents.

This document was prepared in accordance with generally accepted standards of environmental, geological and engineering practices in California at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

For any questions concerning the content of this work plan, please contact Mr. Joseph E. O'Connell at 949 457 8950.

Sincerely

Joseph E. O'Connell

Strategic Director

for Cardno ERI

Direct Line 949 457 8953

Email: joe.oconnell@cardno.com

Jeff Aguilar

Senior Project Geologist

P.G. 8178

for Cardno ERI

Direct Line 949 273 8955

Email: jeff.aguilar@cardno.com



Enclosures:

Figure 1 Site Vicinity Map

Figure 2 Generalized Site Plan – Isocon TPHg for 08/08/2011

Figure 2A Generalized Site Plan – Isocon TPHg for 07/25/2015

Figure 3 Equipment Layout and Piping Plan

Table 1 Operating Summary - Oxidizer

Table 2 Operating Summary – Carbon Absorption

Table 3 Hydrocarbon removal - Oxidizer

Table 4 Hydrocarbon removal – Carbon Absorption

Appendix A-1 Historical Groundwater Analytical Results through 3rd Quarter 2015

NMUSD

REMEDIATION PROJECT

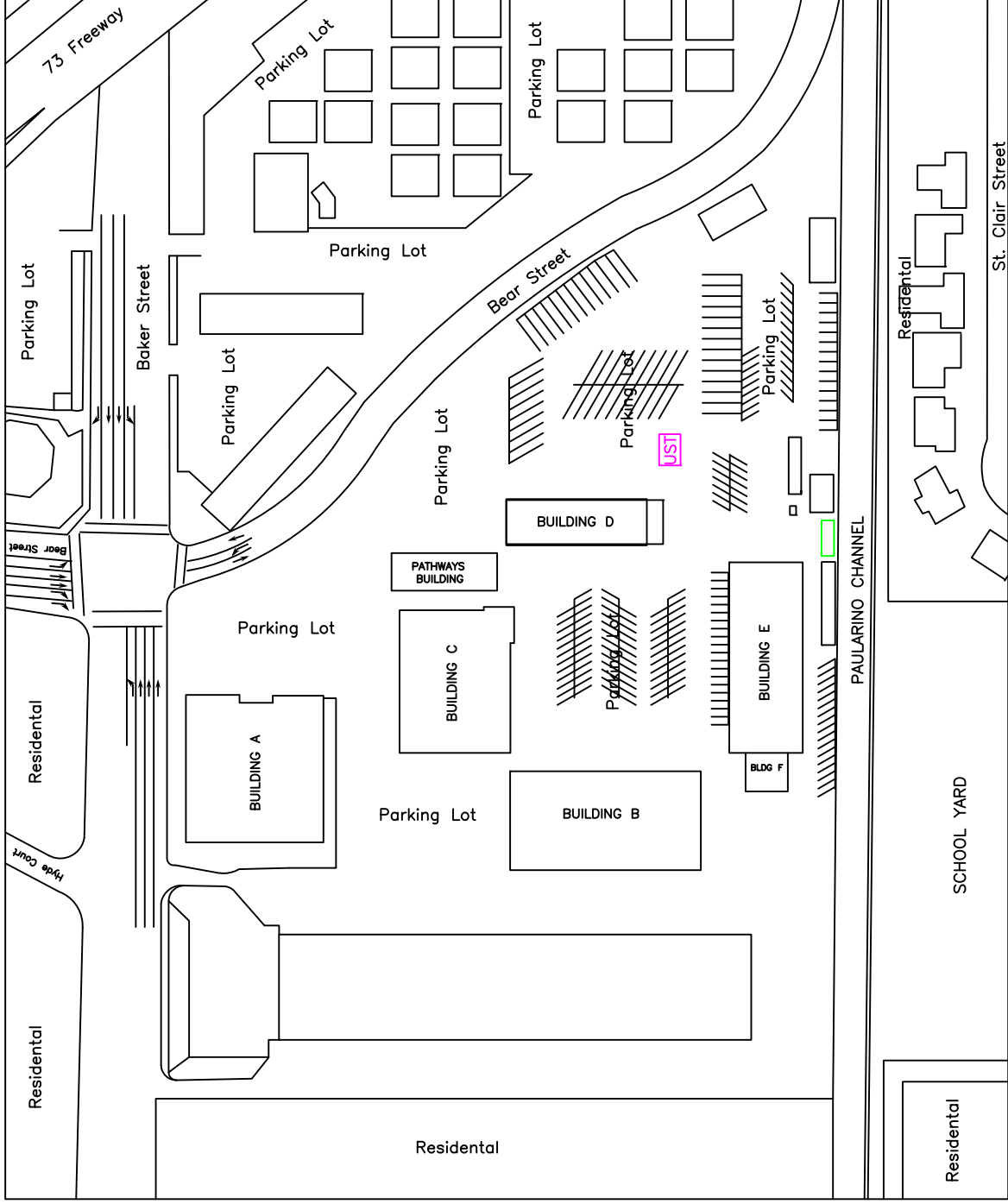
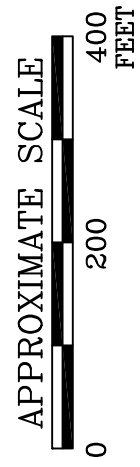


Diagram
SVM

Drawing Name
SITE VICINITY MAP

Project
Remediation System
NEWPORT MESA SCHOOL DISTRICT
2985-A Bear Street
Costa Mesa, California

AutoCad File
3281-SVM

Drawn/Approved
CMQ/

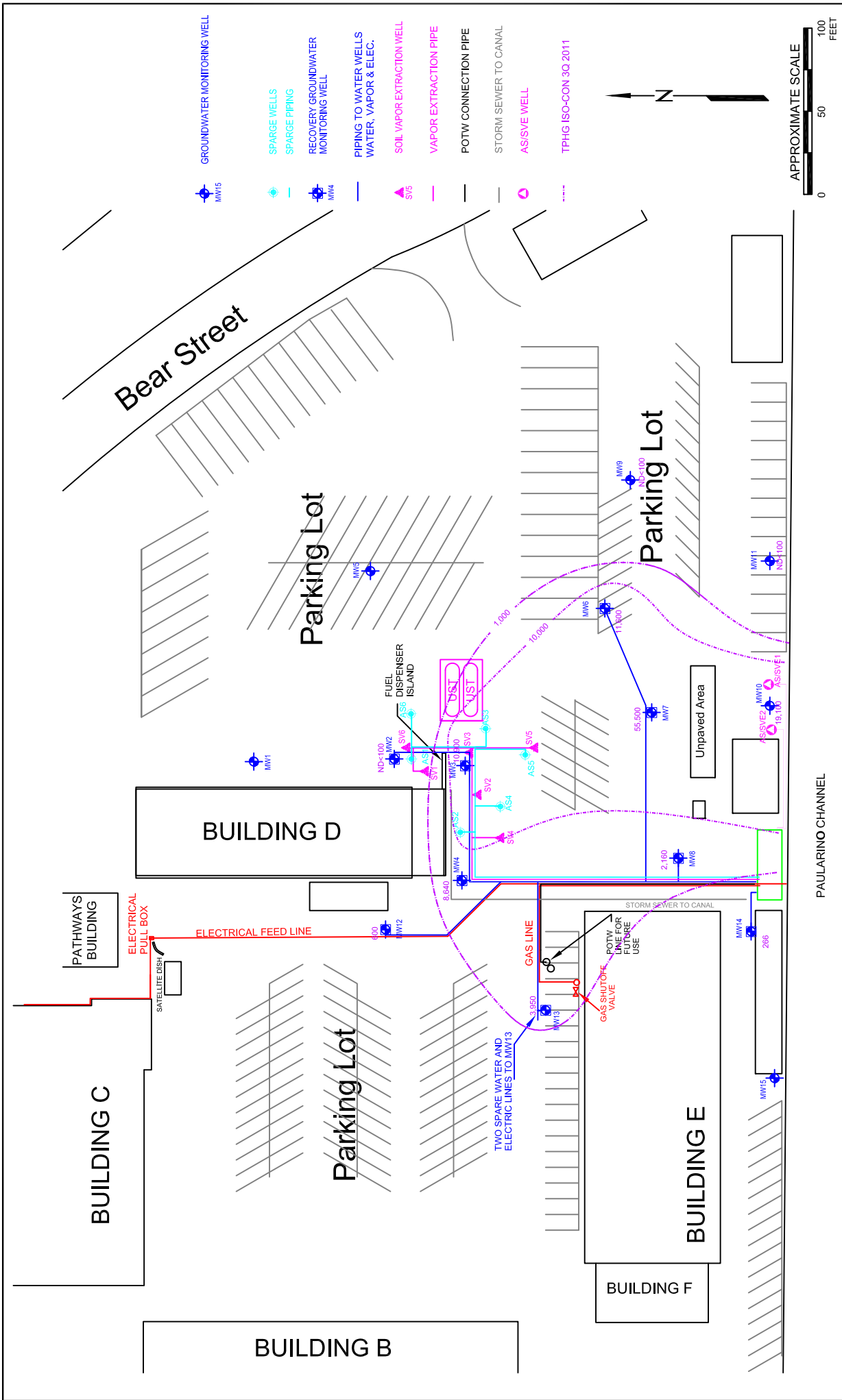
Plot Scale
SEE BLOCK

Last Rev. Date
01/06/10

Creation Date
09/17/15

Project No.
3281

Figure
1



Cardno ERI
Shaping the Future

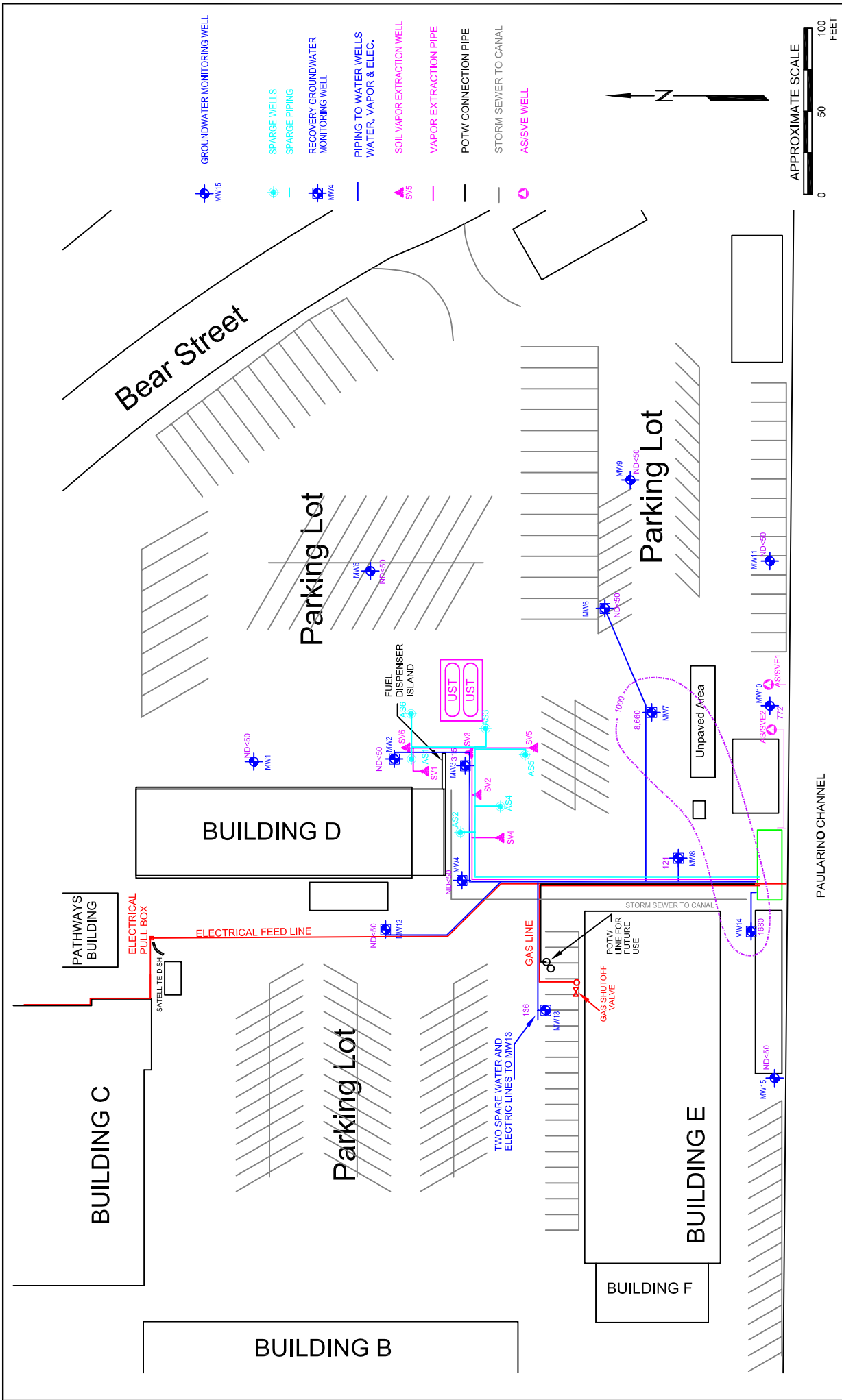
Diagram
AS BUILT
GSP

Drawing Name
GENERALIZED SITE PLAN
TPHG CONTOURS 08/08/11

Project
Remediation System
NEWPORT-MESA SCHOOL DISTRICT
2985-A Bear Street
Costa Mesa, California

AutoCad File
3281-GSP-2-P-2,3,4,5
Drawn/Approved
CMQ/JOC
Plot Scale
SEE BLOCK
Creation Date
11/29/05
Last Rev. Date
09/17/15
Project No.
3281

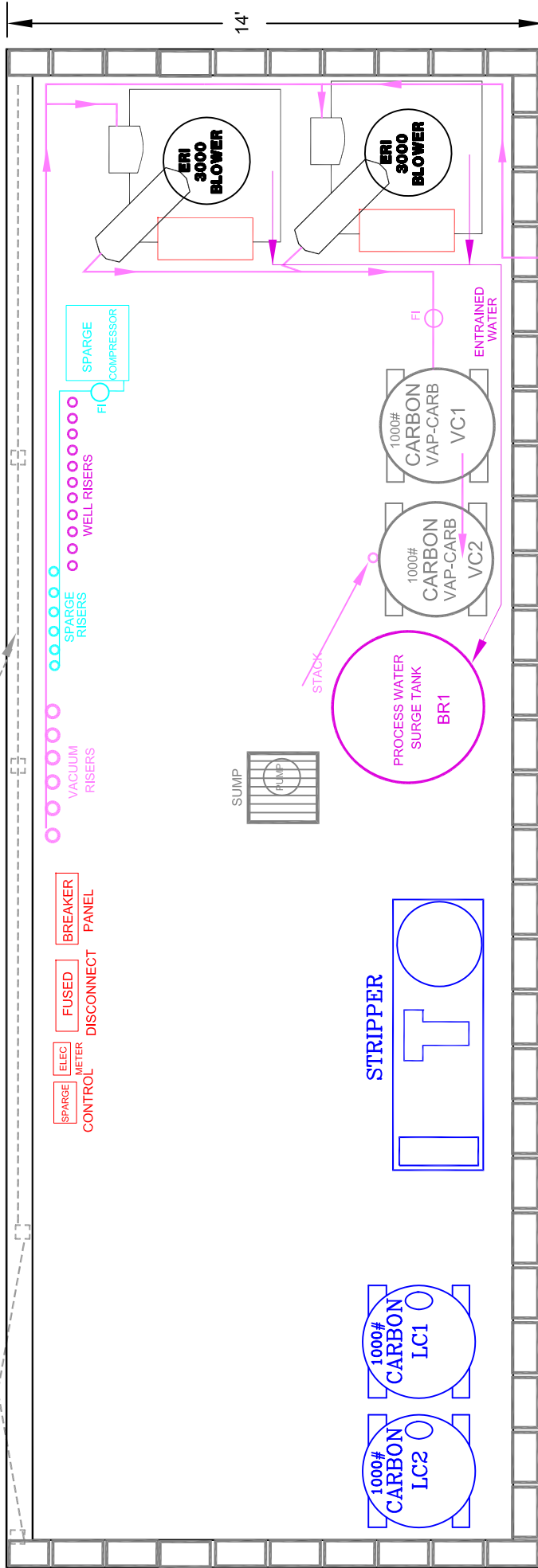
Figure
2



 <p>Cardno ERI Shaping the Future</p>	<p>AS BUILT</p> <p>GSP</p> <p>Diagram</p>	<p>Drawing Name</p> <p>GENERALIZED SITE PLAN TPHG CONTOURS 07/28/2015</p>	<p>Project</p> <p>Remediation System NEWPORT-MESA SCHOOL DISTRICT 2985-A Bear Street Costa Mesa, California</p> <p>AutoCad File 3281-GSP-2-P-2,3,4,5</p> <p>Drawn/Approved CMQ/JOC</p> <p>Plot Scale SEE BLOCK</p> <p>Creation Date 11/29/05</p> <p>Last Rev. Date 09/17/15</p> <p>Project No. 3281</p> <p>Figure 2A</p>
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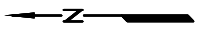
ENCLOSURE - CYCLONE FENCE - SLATTED GRAY 8 FT TALL

PAD AND CONTAINMENT CURB (8 INCHES HIGH)

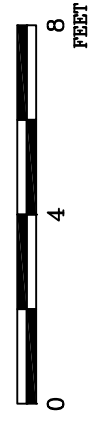


PAULARINO CHANNEL

40'



APPROXIMATE SCALE



- NOTES:**
- ① ENCLOSURE IS LOCATED NEAR SOUTH PROPERTY BOUNDARY
 - ② ENCLOSURE HAS AN 8-FOOT CYCLONE AND CEMENT BLOCK FENCE WITH GRAY SLATS
 - ③ THE PAD IS POURED ON EXISTING GRADE AND HAS A SUMP AT THE LOW POINT.
 - ④ THIS FIGURE REFLECTS THE CHANGE TO ADSORPTION ON ACTIVATED CARBON FOR TREATMENT OF THE SOIL VAPOR
 - ⑤ TREATMENT OF THE EXTRACTED GROUNDWATER HAS BEEN CHANGED TO ADSORPTION ON ACTIVATED CARBON
- ⑤ ELECTRIC METER IS LOCATED INSIDE THE COMPOUND AND IS USED TO ESTIMATE REMEDIATION POWER CONSUMPTION.
- FI - FLOW INDICATOR - AIR SPARGE
 FIO - FLOW INDICATOR - SOIL VAPOR TREATED

<p>Cardno ERI Shaping the Future</p>	<p>AS BUILT</p>	<p>Diagram Number STE-1</p>	<p>Drawing Name EQUIPMENT LAYOUT AND PIPING PLANS</p>	<p>Project Remediation System NEWPORT MESA UNIFIED SCHOOL DISTRICT 2885-A Bear Street Costa Mesa, California</p> <p>AutoCad File 3281-STE1</p> <p>Drawn/Approved JOC/HC</p> <p>Plot Scale SEE BLOCK</p> <p>Creation Date 11/29/05</p> <p>Last Rev. Date 06/30/13</p> <p>Project No. 3281</p> <p>Figure 3</p>
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TABLE 1 Operating Summary - Oxidizer

O&M THERM-OX SYSTEM FIELD LOG

ERI Site # 3281

Page 1 of 8

CLIENT NAME: Newport Mesa Unified School District

SITE LOCATION: 2985 Bear Street, Costa Mesa, CA 92626

OPERATING PARAMETERS

TECH	DATE	TIME	SVE WELLS ON LINE	CUMULATIVE OPER. HRS	INFL. VAC (in. H2O)	FLOW		PID Conc.(ppmv)		LAB CONC INFL	Temp Preheat deg F	Temp Exhaust deg F	Total Exit Flow	GAS METER READ.	GAS Therms Day	ELEC. METER READ.	COMMENTS
						from wells dP	scfm	SYS INFL	SYS (50)								
DT	03/29/07	1:00 PM	SVE3	3	60	-		>10,000	0	ppmv	1504	1480	250	5		22	
DT	03/30/07	5:00 PM	SVE2,3,6	24	44	0.15	44	>10,000	0		1632	1632	289	55	43	155	
DT	04/03/07	11:06 AM	SVE2,3,6	25	39	0.15	44	>10,000	0		1699	1698	299	60	1	181	
DT	04/04/07	5:06 PM	SVE2,3,6	55	54	0.15	44	>10,000	0		1739	1611	267	113	42	343	
DT	04/05/07	7:06 AM	SVE2,3,6	69	68	0.15	44	>10,000	0		1798	1639	247	170	98	436	
JO	04/06/07	7:00 AM	SVE2,3,6	93	67	0.15	44	>10,000	0		1541	1493	243	216	46	602	
JO	04/06/07	8:11 AM	SVE2,3,6	94	79	0.20	51	>10,000	0		1784	1591	229	219	61	613	
JO	04/07/07	7:18 AM	SVE2,3,6	117	78	0.18	49	>10,000	0		1658	1517	227	263	46	780	
JO	04/08/07	6:48 AM	SVE2,3,6	141	83	0.20	51	>10,000	0		1700	1530	219	308	46	954	
DT	04/09/07	5:50 PM	SVE2,3,6	176	86	0.20	51	>10,000	0	15,000	1691	1518	208	375	46	1221	
DT	04/10/07	2:00 PM	SVE2,3,6	196	90	0.20	51	>10,000	0		1743	1541	195	413	45	1377	
DT	04/17/07	4:00 PM	SVE2,3,6	366	>100(7Hg)	0.20	51	>10,000	0		1494	1410	177	737	46	2727	
DT	04/24/07	6:00 AM	SVE2,3,6	524	7.5Hg	0.20	52	1297	0		1556	1403	158	1077	52	4075	
DT	05/01/07	6:00 AM	SVE2,3,6	693	7.5 Hg	0.20	52	1064	0		1569	1406	155	1497	60	5540	
DT	05/09/07	6:00 AM	SVE1-6	884	80	0.15	44	912	0	1,800	1640	1424	198	2006	64	7010	
MM	05/15/07	10:00 AM	SVE1-6	NT	NT	NT	NT	NT	NT		NT	NT	NT	NT		NT	
DT	05/22/07	6:00 AM	SVE1-6	1196	80	0.15	44	874	0		1492	1377	196	2854	65	10021	
MM	06/05/07	3:00 PM	SVE1-6	1198	30	0.15	44	9999	1		1469	1473	261	2864	1	10040	
MM	06/11/07	2:30 PM	SVE1-6	1315	35	0.10		9999	1	2,700	1482	1396	283	3351	81	11184	
RM	06/21/07	1:15 PM	SVE1-6	1539	30	0.15	44	651	4		1645	1493	271	4235	89	13649	
MM	06/28/07	1:15 PM	SVE1-6	1706	25	1.50	22	6911	1		1655	1496	231	4938	100	13649	
RM	06/21/07	2:00 PM	SVE1-6	1539	4	0.15	44	651	4		1645	1493	271	4235	101	13649	
MM	06/28/07	1:20 PM	SVE1-6	1706	4	0.10	22	6911	1		1655	1496	231	4938	101	15512	
MM	07/06/07	8:40 AM	SVE1-6	1893	4	0.10	22	4081	0		1637	1481	224	5733	102	17608	
MM	07/13/07	2:00 PM	SVE1-6	2067	4	0.10	22	1697	2	1000	1635	1480	217	6470	102	19554	
MM	07/18/07	12:15 PM	SVE1-6	2185	4HG	0.10	22	1782	0		1631	1476	220	6974	102	20883	
MM	07/23/07	1:30 PM	SVE1-6	2306	4	0.10	22	983	0		1636	1479	221	7491	102	22239	
MM	08/07/07	1:30 PM	SVE3&6	2310	4	0.10	22	1385	0	2800	1637	1489	240	7511	1	22286	
MM	08/17/07	10:00 AM	SVE3&6	2547	4	0.10	22	1497	0		1588	1442	235	8502	101	24928	
MM	08/23/07	11:25 AM	SVE3&6	2639	4	0.10	22	1382	0		1526	1440	236	8889	64	25640	
MM	08/30/07	7:30 AM	SVE3&5	2802	4	0.10	22	1404	1		1596	1470	235	9583	102	27470	
MM	09/05/07	1:10 PM	SVE2&4	2952	4	0.10	22	4962	2		1650	1496	228	10216	102	29102	
MM	09/12/07	10:30 AM	SVE2&4	3098	5	0.20	52	9999	2	690	934	949	208	10539	47	30200	
MM	09/19/07	10:20 AM	SVE1,2&6	3266	5	0.16	48	3783	1		1032	1054	192	10908	53	31532	
MM	09/27/07	11:25 AM	SVE1,2&6	3459	5	0.15	47	4981	1		1081	1077	180	11334	53	33082	
MM	10/04/07	10:40 AM	SVE,2,5&6	3627	5.5	0.15	44	1735	0	320	982	967	200	11705	53	34395	
MM	10/12/07	9:30 AM	SVE2,6,5	3818	5.5	0.15	44	9999	1		1046	1019	187	12126	53	35932	

TABLE 1 Operating Summary - Oxidizer

O&M THERM-OX SYSTEM FIELD LOG

ERI Site # 3281

CLIENT NAME: Newport Mesa Unified School District

SITE LOCATION: 2985 Bear Street, Costa Mesa, CA 92626

OPERATING PARAMETERS

TECH	DATE	TIME	SVE WELLS ON LINE	CUMULATIVE OPER. HRS	INFL. VAC (in. H2O)	FLOW		PID Conc.(ppmv)		LAB CONC INFL	Temp Preheat deg F	Temp Exhaust deg F	Total Exit Flow	GAS METER READ.	GAS Therms Day	ELEC. METER READ.	COMMENTS
						from wells dP	scfm	SYS INFL	SYS (50)								
MM	10/18/07	1:10 PM	SVE2,5,6	3965	5.5	0.20	52	3894	0		1069	1039	179	12451	53	37849	
MM	10/25/07	9:20 AM	SVE2,4,6	4063	5.5	0.20	52	2548	0		986	994	191	12664	31	39122	Down 3 days - low temp alarm - reset controller
MM	11/02/07	1:10 PM	SVE2,4,6	4258	5.5	0.20	52	7092	0		1141	1096	172	13095	53	41687	
MM	11/07/07	11:00 AM	SVE1,4,6	4377	7	0.24	57	9999	1		1131	1091	172	13359	54	43248	
MM	11/16/07	9:45 AM	SVE1,4,6	4592	7	0.20	53	8266	3	310	1111	1069	175	13834	53	45536	
RH	11/20/07	3:50 PM	SVE1,4,6	4694	7	0.15	44	1140	0		1084	1046	173	14052	51	46740	
MM	11/30/07	9:30 AM	SVE1,4,6	4928	7	0.15	44	1393	0		1089	1066	182	14554	52	48742	
MM	12/07/07	7:40 AM	SVE1,4,6	5094	7	0.15	44	1518	2		1149	1097	166	14913	52	50194	
RH	12/14/07	9:00 AM	SVE1,4,6	5264	7	0	44	262	0	170	1008	1097	182	15281	52	51690	
MM	12/21/07																System down on high temp - unable to restart
RH	12/31/07		Additional trouble shooting is needed when SoilTherm returns from the holidays													Restarted but had to restrict the well gas	
RH	01/02/08	4:00 PM	SVE1,4,6	5286	1"	0.05	24	1214	0	170	835	1060	276	15329		51892	
MM	01/08/08	7:30 AM	SVE1,4,6	5421	6.5	0.20	52	517	0		817	869	198	15626	53	52756	
MM	01/15/08	8:15 AM	SVE1,4,6	5589	7	0	52	958	0	490	1138	1094	172	15992	52	54282	
RH	02/01/08	1:20 PM	SVE1,4,6	6000	7	0.15	44	166	0		954	1005	59	16713	42	59454	
MM	02/15/08	10:00 AM	SVE1,2,6	6308	7	0.20	52	8978	0		946	903	68	17258	39	63076	
MM	02/20/08	8:30 AM	SVE1,2,4	6427	7.5	0.15	44	675	0	140	978	929	67	17466	42	64735	
MM	02/29/08	8:30 AM	SVE1,2,4	6428	5	0.12	40	7621	0		609	624	142	17467	0	64747	Down from 2/20 to 2/29
MM	03/04/08	2:15 PM	SVE1,2,4	6529	6.5	0.15	44	8416	0		825	797	93	17648	43	65532	
MM	03/11/08	10:30 AM	SVE1,2,4	6692	6.5	0.15	44	276	0	160	817	790	93	17936	42	67013	
MM	03/17/08	11:30 AM	SVE1,2,4	6837	8	2.00	52	411	0		1012	962	58	18191	42	69068	
MM	03/27/08	9:30 AM	SVE2,5,4	7075	9	0.20	52	2872	0		1162	1097	37	18608	42	72412	
MM	04/03/08	7:30 AM	SVE2,4,5	7241	9	0.20	52	1099	0	180	1114	1052	47	18901	42	74816	
MM	04/18/08	9:00 AM	SVE245	7603	8	0.20	52	7942	0		1055	1003	48	19536	42	79896	
MM	04/23/08	8:30 AM	SVE2,4,5	7722	7.5	0.20	52	1207	0		958	913	76	19748	43	81535	
RH	04/30/08	2:25 PM	SVE1,4,5	7896	8"Hg	0	52	663	0		1027	976	52	20053	42	83924	
MM	05/07/08	11:45 AM	SVE1,4,5	8061	8	0.20	52	118	0	300	1075	1018	52	20345	42	86230	
MM	05/15/08	7:20 AM	SVE1,4,5	8225	8	0.20	52	393	0		1083	1028	52	20634	37	88544	
MM	05/22/08	1:30 PM	SVE1,3,4	8423	8	0.20	52	518	0		1064	1021	52	20983	48	90358	
MM	06/04/08	9:45 AM	SVE1,2,3	8560	4.5	0.12	40	942	0		600	609	151	21228	19	91641	down 4 days water sampling
MM	06/13/08	8:20 AM	SVE1,2,3	8774	4.5	0.10	37	209	0	210	632	618	148	21618	44	93091	
MM	06/20/08	10:15 AM	SVE1,2,3	8944	4.5	0.12	37	483	0		639	621	139	21924	43	94239	
MM	06/24/08	7:30 AM	SVE1,2,3	9037	4.5	0.12	37	287	0		630	618	147	22090	43	94864	down 2 days for ART repair PVC tubing
MM	07/01/08	12:30 PM	MW7,MW8	9041	1	0.10	27	38	0		600	586	263	22097	1	94903	
MM	07/10/08	1:30 PM	SV2,MW7,MW8	9258	1	0.10	27	68	0	73	600	585	167	22629	59	96838	
RH	07/15/08	2:25 PM	SVE2,6 MW7,8	9381	1	0.10	27	84	0		600	583	251	22925	59	97942	
RH	07/22/08	3:30 AM	SVE2, MW7,8	9548	18/74	.10/0.2	27/52	64	0		600/630	585/620	243/132	23332	62	99512	

TABLE 1 Operating Summary - Oxidizer

O&M THERM-OX SYSTEM FIELD LOG

ERI Site # 3281

CLIENT NAME: Newport Mesa Unified School District

SITE LOCATION: 2985 Bear Street, Costa Mesa, CA 92626

OPERATING PARAMETERS

TECH	DATE	TIME	SVE WELLS ON LINE	CUMULATIVE OPER. HRS	INFL. VAC (in. H2O)	FLOW		PID Conc.(ppmv)		LAB CONC INFL	Temp Preheat deg F	Temp Exhaust deg F	Total Exit Flow	GAS METER READ.	GAS Thermals Day	ELEC. METER READ.	COMMENTS
						from wells dP	scfm	SYS INFL	SYS (50)								
MM	07/31/08	9:30 AM	SVE2,MW7,8	9758	80	0	44	71	0		677	658	115	23716	42	104120	
MM	08/08/08	1:00 PM	SVE2,MW7,MW8	9953	80	0.15	44	68	0	230	694	675	111	24071	44	104186	
MM	08/14/08	9:00 AM	SVE6,MW7&8	9996	50	0.10	37	84	0		630	641	180	24149	13	104930	Dwn for 100 hrs - restarted
RH	08/22/08	7:00 AM	SVE6,MW7&9	10186	58	0.15	44	109	0		630	613	165	24537	49	106745	
RH	08/29/08	10:35 AM	SVE6,MW7&8	10358	60	0.15	44	99	0		630	611	157	24879	48	108617	
MM	09/04/08	12:55 PM	SVE2,MW7&8	10504	60	0	44	87	0		630	617	153	25180	49	110206	
MM	09/11/08	1:20 PM	SV2,MW7,MW8	10672	65	2	44	128	0	260	630	615	147	25517	48	111867	
MM	09/17/08	2:00 PM	SV2,MW7,MW8	10817	65	0.15	44	91	0		630	615	144	25800	47	113472	
MM	09/25/08	11:00 AM	SV2,MW7,MW8	11006	60	0.15	44	72	0		630	615	146	26165	46	115576	
MM	10/01/08	7:45 AM	sve6,mw7&8	11147	62	0.10	37	78	0		630	609	159	26450	49	117117	
MM	10/09/08	7:40 AM	sve6,mw7&8	11339	62	0.10	37	78	0	32	630	606	163	26832	48	119199	
RH	10/17/08	2:00 PM	SVE6, MW7,MW8	11537	63	0.15	44	63	0		629	604	151	27222	47	121375	
MM	10/24/08	11:20 AM	sve6,mw7&8	11702	70	0.15	44	69	0		629	606	147	27539	46	123182	
MM	10/28/08	7:50 AM	sve6,mw7&8	11795	58	0.10	37	77	0		630	605	183	27722	47	124083	
MM	11/05/08	11:45 AM	sve6,mw7&8	11992	60	0.10	37	62	0	550	630	603	173	28119	49	126990	Closed SVE6 Opened SVE2 (Hot)
MM	11/13/08	12:20 PM	SVE2,MW7&8	12184	62	0.10	37	101	0		628	605	159	28485	46	128507	
MM	11/18/08	12:30 PM	SVE2,MW7&8	12304	65	0.10	37	64	0		628	604	157	28708	45	129872	
MM	11/24/08	10:00 AM	SVE2,MW7&8	12380	60	0.10	37	152	0		629	611	180	28854	25	130753	Sys dwn for 65 hrs - restarted
MM	12/03/08	12:45 PM	SVE2,MW7&8	12599	70	0.10	37	185	0		638	612	159	29266	45	133258	
MM	12/09/08	8:00 AM	SVE2,MW7&8	12738	70	0.10	37	207	0	120	658	629	156	29521	44	134869	
MM	12/18/08	8:30 AM	SVE2,MW7&8	12955	70	0.10	37	384	1		663	636	162	29917	44	137377	
MM	12/22/08	10:45 AM	SVE1,MW7&8	13053	70	0	37	397	1		673	642	155	30096	44	138536	
MM	12/29/08	8:50 AM	SVE1,MW7&8	13219	65	0.10	37	201	0		637	618	176	30397	43	140519	
MM	01/06/09	11:50 AM	SVE1,MW7&8	13391	65	0.10	37	295	0	19	630	604	179	30708	38	142502	
MM	01/14/09	11:45 AM	SVE1,MW7	13583	70	0.15	44	365	0		687	654	153	31053	43	144707	
MM	01/20/09	7:30 AM	SVE1,MW7	13723	70	0.15	44	289	0		673	641	158	31304	43	146320	
MM	01/27/09	9:30 AM	SVE2&6MW7&8	13808	60	0.10	37	211	0		630	605	187	31475	24	147023	
MM	02/05/09	7:45 AM	SVE2&6MW7&8	14022	90	0.15	44	633	0	28	831	784	105	31859	43	148690	
MM	02/13/09	11:00 AM	SVE2&6MW7&8	14195	80	0.10	37	521	0		631	605	134	32169	38	150081	
RH	02/19/09	3:30 AM	SVE2,6,MW7,7	14313	NT	NT	NT	NT	NT		NT	NT	NT	NT		NT	
RH	02/20/09	3:30 PM	SVE2,6,MW7,8	14313	80	0.15	44	119	0		635	620	141	32390		151108	
RH	02/27/09	12:55 PM	SVE2,6,MW7,9	14482	88	0.15	44	154	0		797	757	114	32688	43	152496	
MM	03/06/09	7:30 AM	SVE2&6MW7&8	14645	90	0.10	37	407	0		767	728	114	32982	43	153783	
MM	03/13/09	7:15 AM	SVE2&6MW7&8	14812	90	0.10	37	389	0		780	740	113	33284	43	155112	
MM	03/18/09	7:30 AM	SVE1,3,6	14932	90	0.10	37	127	0	32	777	738	115	33500	43	156124	
MM	03/25/09	11:50 AM	SVE1,3,6	15104	85	0.10	37	167	0		785	743	113	33808	43	158224	
MM	04/03/09	7:20 AM	SVE1,3,6	15316	85	0.10	37	209	0		753	715	123	34187	43	160762	

TABLE 1 Operating Summary - Oxidizer

O&M THERM-OX SYSTEM FIELD LOG

ERI Site # 3281

CLIENT NAME: Newport Mesa Unified School District

SITE LOCATION: 2985 Bear Street, Costa Mesa, CA 92626

OPERATING PARAMETERS

TECH	DATE	TIME	SVE WELLS ON LINE	CUMULATIVE OPER. HRS	INFL. VAC (in. H2O)	FLOW		PID Conc.(ppmv)		LAB CONC INFL	Temp Preheat deg F	Temp Exhaust deg F	Total Exit Flow	GAS METER READ.	GAS Therms Day	ELEC. METER READ.	COMMENTS
						from wells dP	scfm	SYS INFL	SYS (50)								
MM	04/11/09	12:00 PM	SVE1,4,6	15633	80	0.10	37	197	0	18	741	710	124	34752	69	164550	Gas meter reading is suspect
MM	04/23/09	10:30 AM	SVE1,4,6	15799	90	0.10	37	267	0		789	746	110	35047	25	166577	
MM	04/28/09	7:10 AM	SVE1,4,6	15916	90	0.10	37	392	0		788	744	112	35254	43	168005	
MM	05/08/09	7:10 AM	SVE1,2,5	16157	85	0.10	37	408	0	14	756	717	117	35681	43	170849	
MM	05/12/09	9:00 AM	SVE1,2,5	16185	80	0.10	37	362	0		695	664	129	35733	13	171244	System down for 5 days
MM	05/20/09	8:30 AM	SVE1,2,6	16377	80	0.10	37	298	0		748	709	121	36073	43	173495	
MM	05/27/09	9:00 AM	SVE1,2,6	16546	80	0.10	37	193	0		727	690	125	36373	43	175464	
MM	06/03/09	8:45 AM	SVE1,2,6	16713	80	0.10	37	68	0		729	692	124	36671	43	177434	
MM	06/11/09	7:15 AM	SVE1,2,3	16904	80	0.10	37	79	0		720	689	128	37005	42	179664	
MM	06/17/09	11:30 AM	SVE1,2,3	17052	80	0.10	37	58	0	27	720	683	123	37266	42	181394	
MM	06/24/09	8:00 AM	SVE1,2,3,5	17217	65	0.10	37	119	2		683	650	145	37559	43	183242	
MM	07/02/09	7:15 AM	SVE1,2,3,5	17402	65	0.10	37	112	3		647	619	147	37888	41	185371	
MM	07/09/09	1:15 PM	SVE2,3,5,6	17576	80	0.15	44	131	6	41	714	679	112	38198	43	187414	
MM	07/17/09	7:30 AM	SVE2,3,5,6	17762	80	0.10	37	207	4		719	684	117	38523	42	189610	
MM	07/22/09	9:30 AM	SVE2,3,5,6	17884	80	0.10	37	259	8		726	691	112	38737	42	191044	
MM	07/29/09	9:30 AM	SVE2,3,5,6	18052	85	0.10	37	178	23		741	704	108	39029	42	193031	
MM	08/05/09	8:30 AM	SVE1,2,3,5	18219	75	0.10	37	105	29	41	670	640	131	39319	42	194943	
MM	08/12/09	9:10 AM	SVE1,2,3,5	18388	70	0.10	37	209	41		662	632	134	39609	41	196881	
RH	08/21/09	8:00 AM	SVE1,2,3,5	18516	70	0.10	37	177	26		630	605	126	39828	24	198360	
RH	08/28/09	8:00 AM	SVE1,2,3,5	18684	70	0.10	37	144	20		679	647	131	40115	41	200319	
MM	09/02/09	10:15 AM	SVE1,2,3,5	18806	75	0.10	37	128	24		704	670	112	40322	41	201752	
MM	09/09/09	12:20 PM	SVE,2,3,5,6	18833	70	0.10	37	97	22		630	604	129	40366	6	202091	System down 6 days
MM	09/15/09	8:00 AM	SVE,2,3,5,6	18973	70	0.10	37	78	4	43	716	681	124	40604	41	203696	
MM	09/23/09	2:40 PM	SVE,1,2,3,5,	19094	70	0.10	37	12	4		750	710	104	40806	24	205109	
MM	09/30/09	11:45 AM	SVE,1,2,3,5,	19166	70	0.10	37	142	19		635	605	128	40927	18	205964	
MM	10/09/09	9:15 AM	SVE1,2,3,5	19380	75	0.1	37	78	5	27	674	642	124	41281	40	208496	
MM	10/13/09	12:30 PM	SVE1,2,3,5	19479	75	0.1	37	92	8		651	621	121	41441	39	209679	
MM	10/20/09	10:45 AM	SVE1,2,3,5	19645	75	0.1	37	102	10		631	604	120	41697	37	211671	
MM	10/26/09	1:40 PM	SVE2,3,5,6	19792	95	0.2	45	147	8		781	738	71	41917	36	213577	
RH	11/04/09	1:30 PM	SVE2,3,5,6	20009	100	0.2	45	103	4		723	686	76	42220	34	216444	
RH	11/10/09	9:30 AM	SVE2,3,5,6	20149	100	0.2	45	67	4		672	639	75	42399	31	218329	
RH	11/16/09	11:30 AM	SVE2,3,5,6	20295	100	0.2	45	89	6	32	632	603	72	42566	27	220295	
RH	11/25/09	11:30 AM	SVE2,3,5,6	20511	100	0.2	45	71	8		632	601	69	42796	26	223274	
RH	12/02/09	12:30 PM	SVE2,3,5,6	20680	100	0.2	45	64	5		571	549	71	42964	24	225594	
RH	12/11/09	7:00 AM	SVE2,3,5,6	20848	100	0.2	45	97	4	24	702	691	122	43136	20	227827	
RH	12/17/09	3:00 PM	SVE2,3,5,6	20967	120	0.2	45	129	8		957	880	49	43303	26	229437	
RH	12/23/09	1:00 PM	SVE2,3,5,6	21109	120	0.2	45	117	6		964	881	48	43505	34	231450	

TABLE 1 Operating Summary - Oxidizer

O&M THERM-OX SYSTEM FIELD LOG

ERI Site # 3281

CLIENT NAME: Newport Mesa Unified School District

SITE LOCATION: 2985 Bear Street, Costa Mesa, CA 92626

OPERATING PARAMETERS

TECH	DATE	TIME	SVE WELLS ON LINE	CUMULATIVE OPER. HRS	INFL. VAC (in. H2O)	FLOW		PID Conc.(ppmv)		LAB CONC INFL	Temp Preheat deg F	Temp Exhaust deg F	Total Exit Flow	GAS METER READ.	GAS Therms Day	ELEC. METER READ.	COMMENTS
						from wells dP	scfm	SYS INFL	SYS (50)								
RH	01/07/10	1:30 PM	SVE2,3,5,6	21470	100	0.2	45	78	7	33	779	714	78	44004	33	235788	
RH	01/14/10	1:30 PM	SVE2,3,5,7	21638	100	0.2	45	146	11		761	687	71	44230	32	238033	
RH	01/27/10	12:00 PM	SVE1-6	21770	100	0.2	45	89.5	1.9		630	605	71	44413	14	239653	
RH	02/03/10	7:20 AM	SVE1-6	21934	100	0.2	45	42	9	7.2	725	679	75	44644	34	241231	
RH	02/08/10	4:00 PM	None	21984	0	0.0	0	NT	NT		NT	NT	0	44707	12	241689	System down - Flooding
RH	05/05/10	2:00 PM	SVE1-6	21984	62	0.10	37	NT	NT		660	628	0	44707	0	241689	
RH	05/18/10	1:00 PM	SVE1-6	21988	2	0.00	0	0	0		710	704	73	44712	0	241758	System down for heat exchanger install
RH	05/24/10	10:30 AM	SVE1-6	22113	35	0.08	30	11.2	0	8.2	660	650	148	44821	18	242781	
RH	06/01/10	11:45 AM	SVE1-6	22121	15	0.05	30	9	0		671	652	177	44829	1	243323	
RH	06/11/10	12:00 PM	SVE1-6	22219	10	0.10	30	0	0	ND<3	656	651	137	44921	9	243513	
RH	06/17/10	1:30 PM	SVE1-6	22338	10	0.05	25	0	0		660	652	131	45023	17	244511	
RH	06/23/10	12:30 PM	SVE1-6	22481	10	0.05	25	0	0		668	653	142	45142	20	245596	System down because of bearing failure
RH	08/05/10	1:00 PM	SVE1-6	22567	10	0.05	25	0	0		698	678	131	45213	2	246263	
RH	08/12/10	2:00 PM	SVE1-6	22733	10	0.05	25	8	0	48	702	711	141	45385	24	247454	
RH	08/17/10	1:15 PM	SVE1-6	22852	10	0.05	25	9	0		679	686	108	45494	22	248302	
RH	08/27/10	4:45 PM	SVE1-6	23096	10	0.05	10	14	0		740	745	121	45715	22	250037	
RH	09/01/10	1:30 PM	SVE1-6	23213	10	0.05	12	11	0		699	705	101	45819	21	250886	
HC	09/09/10	12:00 AM	SVE1-6	23405	10	0.05	12	11	0	28	718	724	96	45990	20	NT	
RH	09/17/10	6:45 AM	SVE1-6	23590	22	0.05	12	21	0		754	757	110	46155	23	253676	
RH	09/21/10	10:00 AM	SVE1-6	23689	28	0.05	12	16	0		754	757	111	46243	21	254417	
RH	09/27/10	11:00 AM	SVE1-6	23834	38	0.10	37	29	0		718	723	88	46371	21	255498	
RH	10/04/10	2:30 PM	SVE1-6	24006	44	0.10	37	34	0	5.6	753	755	105	46517	20	256782	System down because of air switch
MWM	10/11/10	11:20 AM	SVE1-6	24089	28	NT	NT	19	0		660	660	120	46590	11	NT	
RH	10/19/10	8:00 AM	SVE1-6	24115	26	0.05	12	31	0		713	709	142	46613	3	257640	
RH	10/26/10	10:00 AM	SVE1-6	24284	44	0.10	37	22	0		756	769	101	46766	22	258943	
RH	11/02/10	7:45 AM	SVE1-6	24450	46	0.10	37	31	0		728	735	98	46915	22	260222	
RH	11/08/10	4:00 PM	SVE1-6	24494	38	0.10	37	44	0		688	694	79	46949	5	260578	
RH	11/15/10	3:10 PM	SVE1-6	24637	34	0.10	37	29	0		762	767	78	47070	17	261715	
RH	11/24/10	4:00 PM	SVE1-6	24854	38	0.10	37	28	0		767	767	82	47243	19	263469	
RH	11/29/10	11:00 AM	SVE1-6	24969	52	0.10	37	33	0		768	770	80	47336	19	264418	System down - gas supply shut-off
RH	12/07/10	2:00 PM	SVE1-6	25134	55	0.15	41	28	0		660	662	96	47468	16	265792	
RH	12/13/10	2:00 PM	SVE1-6	25278	55	0.15	41	21	0	ND<3	678	680	84	47582	19	266933	
RH	12/20/10	1:30 PM	SVE1-6	25429	0	0.00	0	NT	NT		NT	NT	NT	47701	17	268002	System down - rainwater overflow
RH	12/28/10	9:30 AM	SVE1-6	25430	58	0.15	50	30	0		660	657	87	47701	0	269383	
RH	01/03/11	11:00 AM	SVE1-6	25575	60	0.15	50	22	0	ND<3	660	664	100	47813	18	270550	
RH	01/12/11	7:20 AM	SVE1-6	25787	68	0.15	50	19	0		699	695	98	47971	18	272273	
RH	01/20/11	7:30 AM	SVE1-6	25871	65	0.15	50	24	0		665	658	104	48030	7	279972	System down - transfer pump breaker tripped

TABLE 1
Operating Summary - Oxidizer

O&M THERM-OX SYSTEM FIELD LOG

ERI Site # 3281

CLIENT NAME: Newport Mesa Unified School District

SITE LOCATION: 2985 Bear Street, Costa Mesa, CA 92626

OPERATING PARAMETERS

TECH	DATE	TIME	SVE WELLS ON LINE	CUMULATIVE OPER. HRS	INFL. VAC (in. H2O)	FLOW		PID Conc.(ppmv)		LAB CONC INFL	Temp Preheat deg F	Temp Exhaust deg F	Total Exit Flow	GAS METER READ.	GAS Therms Day	ELEC. METER READ.	COMMENTS
						from wells dP	scfm	SYS INFL	SYS (50)								
RH	01/27/11	3:00 PM	SVE1-6	25876	60	41	50	41	0		660	656	98	48036	1	273034	Down
RH	02/03/11	7:00 AM	SVE1-6	26036	65	44	50	44	0		720	715	97	48151	17	274371	
RH	02/10/11	8:30 AM	SVE1-6	26205	58	30	50	30	0		703	700	82	48271	17	274784	
RH	02/16/11	2:00 PM	SVE1-6	26328	60	49	50	49	0		660	664	87	48357	14	276784	Down
RH	02/24/11	10:00 AM	SVE1-6	26516	58	27	50	27	0		683	692	84	48491	17	278322	
RH	02/28/11	10:30 AM	SVE1-6	26612	58	36	50	36	0	ND<3	703	707	83	48559	17	279130	
RH	03/07/11	11:40 AM	SVE1-6	26783	55	17	50	17	2	ND<3	719	713	74	48676	17	280558	
RH	03/15/11	8:30 AM	SVE1-6	26970	58	21	50	21	0		715	718	78	48809	17	282157	
RH	03/23/11	12:45 PM	SVE1-6	27100	0	NT	0	NT	NT		NT	NT	NT	48888	10	28327	System down - holding tank full
RH	04/06/11	7:35 AM	SVE1-6	27100	0	NT	0	NT	NT		NT	NT	NT	48888	0	28327	System down - pending holding tank pump out
RH	04/15/11	8:35 AM	SVE1-6	27121	0	97	0	97	23		741	703	207	48900	1	283636	
RH	04/19/11	2:00 PM	SVE1-6	27,222	3	0.00	0	2	0		800	700	208	49,018	28	284,643	
RH	04/25/11	1:30 PM	SVE1-6	27,285	5	0.00	0	9	0		775	772	97	49,094	13	285,339	System down - Taylor-Perry turned off
RH	05/02/11	10:15 AM	SVE1-6	27,439	5	0.00	0	0	0		811	807	111	49,261	24	286,821	
RH	05/09/11	10:30 AM	SVE1-6	27,607	10	0.05	27	0	0		856	847	127	49,432	24	288,304	
MLM	05/17/11	10:00 AM	SVE1-6	27792	8	0.05	27	6	0		812	842	187	49628	25	29001	
RH	05/23/11	2:00 PM	SVE1-6	27,941	10	0.05	27	11	0		760	745	130	49,792	27	291,655	
RH	05/31/11	3:15 PM	SVE1-6	28,057	20	0.05	28	4	0		755	551	129	49,932	17	292,542	
RH	06/06/11	3:00 PM	SVE1-6	28,201	20	0.05	28	16	0		847	839	175	50,104	29	293,798	
RH	06/17/11	9:15 AM	SVE1-6	28,459	20	0.05	28	31	0	ND<3	780	755	169	50,393	27	295,858	
RH	06/20/11	3:00 PM	SVE1-6	28,535	10	0.05	27	14	0		783	772	171	50,483	28	296,736	
RH	06/30/11	7:20 AM	SVE1-6	28,749	30	0.05	28	20	0		849	827		50,573	9	298,252	
RH	07/08/11	1:10 PM	SVE1-6	28,946	30	0.05	28	17	0		828	791	188	50,954	46	299,600	
RH	07/08/11	1:10 PM	SVE1-6	28,946	30	0.05	28	17	0		828	791	188	50,954	0	299,600	
RH	07/11/11	2:10 PM	SVE1-6	29,018	30	0.05	28	7	0	ND<3	817	782	179	51,035	27	167,051	
RH	07/22/11	7:45 AM	SVE1-6	29,128	30	0.20	56	11	0		806	792	172	51,673	59	167,051	
RH	08/12/11	7:30 AM	SVE1-6	29,277	10	0.05	27	21	0	6.1	866	836	169	51,340	-16	220,512	
RH	08/15/11	2:20 PM	SVE1-6	29,356	10	0.05	27	6	0		869	831	171	51,436	29	255,072	
RH	08/22/11	10:00 AM	SVE1-6	29,376	30	0.05	28	8	0		858	781	144	51,460	4	265,899	
RH	09/01/11	3:30 PM	SVE1-6	29,436	20	0.05	28	4	0		811	798	166	51,564	10	NT	System down- Taylor Perry shut off
MWM	09/06/11	9:05 AM	SVE1-6	29,520	20.1	0.05	28	9	0		745	795	226	51,639	16	NT	System down - High level in the knock-out
MWM	09/12/11	12:15 PM	SVE1-6	29,613	7.6	BG	NT	0	0		887	856	265	51,769	21		
RH	09/19/11	11:50 AM	SVE1-6	29,712	NT	NT	NT	NT	NT		NT	NT	NT	NT		NT	tank
RH	09/23/11	7:30 AM	SVE1-6	29,775	10/40	0.10	37	5	0		768	739	196	51,996		NT	System down
RH	09/28/11	9:15 AM	SVE1-6	29,786	10	0.05	27	4	0	ND<3	796	778	256	52,013	3	400,968	stripper
RH	10/05/11	3:00 PM	SVE1-6	29,818	10	0.05	27	14	0	4.5	843	817	214	52055	6	415062	Run/O&M/Run
RH	10/10/11	11:00 AM	SVE1-6	29,871	10	0.05	27	18	0		879	841	227	52126	15	441002	Run/O&M/Run

TABLE 1 Operating Summary - Oxidizer

O&M THERM-OX SYSTEM FIELD LOG

ERI Site # 3281

CLIENT NAME: Newport Mesa Unified School District

SITE LOCATION: 2985 Bear Street, Costa Mesa, CA 92626

OPERATING PARAMETERS

TECH	DATE	TIME	SVE WELLS ON LINE	CUMULATIVE OPER. HRS	INFL. VAC (in. H2O)	FLOW		PID Conc.(ppmv)		LAB CONC INFL	Temp Preheat deg F	Temp Exhaust deg F	Total Exit Flow	GAS METER READ.	GAS Therms Day	ELEC. METER READ.	COMMENTS
						from wells dP	scfm	SYS INFL	SYS (50)								
RH	10/17/11	10:30 AM	SVE1-6	30,038	10	0.05	27	19	0		888	859	219	52344	31	524353	Run/O&M/Run
RH	10/24/11	10:45 AM	SVE1-6	30,061	NT	NT	27	NT	NT		NT	NT	NT	52373	4	NT	LO-TO
RH	10/31/11	3:00 PM	SVE1-6	30,061	40	0.10	37	24	0		782	775	177	52373	0	691055	LO-TORun/O&M/Run
DC	11/07/11	12:00 PM	SVE1-6	30,122	54	0.05	27	0	0	ND<3	875	850	210	52448	11	555515	Run/O&M/Run
RH	11/14/11	10:40 AM	SVE1-6	30,290	50	0.10	37	16	0		877	859	308	52647	29	661632	Run/O&M/Run
MWM	11/21/11	9:15 AM	SVE1-6	30,441	0/5"	0.00		22.9	0		819	796	195	52,816	24	674,674	Run/O&M/Run - Air Stripper on
RH	12/05/11	12:35 PM	SVE1-6	30,546	35	0.10	37	9	0		841	812	181	52933	8	678733	Run/O&M/Run
RH	12/15/11	8:00 AM	SVE1-6	30,743	32	0.10	37	4	0	ND<3	798	772	188	53144	22	749599	Run/O&M/Run
RH	12/19/11	2:50 PM	SVE1-6	30,846	10	0.05	27	18	0		847	825	194	53260	27	793565	Run/O&M/Run
RH	12/27/11	1:00 PM	SVE1-6	31,030	NT	NT	NT	NT	NT		NT	NT	NT	53427	21	833822	Down
RH	01/03/12	1:10 PM	SVE1-6	31,057	10	0.05	27	14	0	ND<3	808	787	218	53509	12	850115	Run/O&M/Run
RH	01/11/12	12:00 PM	SVE1-6	31,248	10	0.05	27	17	0		845	825	258	53753	31	948751	Run/O&M/Run
RH	01/17/12	3:15 PM	SVE1-6	31,396	40	0.20	56	7	0		881	867	280	53942	31	972753	Run/O&M/Run - Air Stripper off
RH	01/24/12	2:45 PM	SVE1-6	31,563	50	0.20	56	16	0		870	844	216	54141	29	972753	Run/O&M/Run - Air Stripper off
RH	02/21/12	12:00 PM	SVE1-6	31,831	40	0.20	56	8	0		879	855	231	54374	8	984112	Down/Run/O&M/Run
RH	02/27/12	11:20 AM	SVE1-6	31,565	10	0.10	27	21	0	ND<3	870	844	216	54650	46	1095394	Run/O&M/Run
RH	03/06/12	2:00 PM	SVE1-6	32,170	40	0.20	56	4	0		852	810	274	54899	31	1121298	Run/O&M/Run - Air Stripper off
RH	03/15/12	8:30 AM	SVE1-6	32,348	10	0.05	27	14	0	3.4	851	827	254	55119	25	1192526	Run/O&M/Run
RH	03/22/12	1:15 PM	SVE1-6	32,517	10	0.05	27	29	0		851	830	273	55329	29	1253199	Run/O&M/Run
RH	03/29/12	2:15 PM	SVE1-6	32,662	40	0.20	56	7	0		877	869	281	55511	26	1224950	Run/O&M/Run - Air Stripper off
RH	04/05/12	8:20 AM	SVE1-6	32,824	10	0.05	27	21	0	ND<3	790	753	205	55691	27	1318925	Run/O&M/Run
RH	04/12/12	7:30 AM	SVE1-6	32,991	40	0.20	56	9	0		879	854	198	55893	29	341912	Run/O&M/Run - Air Stripper off
RH	04/18/12	1:45 PM	SVE1-6	33,139	40	0.20	56	8	0		884	861	210	56010	19	343589	Run/O&M/Run - Air Stripper off
RH	04/24/12	1:30 PM	SVE1-6	33,283	40	0.20	56	12	0		815	771	176	56237	38	344017	Run/O&M/Run - Air Stripper off
DC	05/10/12	7:30 AM	SVE1-6	33,556	46	0.05	27	1.2	0		844	803	191	56554	20	346487	Run/O&M/Run
RH	05/18/12	9:00 AM	SVE1-6	33,640	28	0.10	37	9	0	ND<3	826	810	212	56653	12	347848	Run/O&M/Run - Air Stripper off
RH	05/24/12	3:30 PM	SVE1-6	33,791	8	0.05	27	14	0		838	819	244	56837	29	348926	Run/O&M/Run
RH	05/31/12	8:00 AM	SVE1-6	33,949	25	0.10	37	4	0		884	851	221	57035	30	350594	Run/O&M/Run - Air Stripper off
RH	06/05/12	1:25 PM	SVE1-6	34,000	25	0.10	37	10	0		876	844	230	57097	12	350957	Run/O&M/Run - Air Stripper off
RH	06/12/12	7:30 AM	SVE1-6	34,137	5	0.05	27	12	0		834	794	233	57253	23	352466	Run/O&M/Run
RH	06/22/12	12:00 PM	SVE1-6	34,308	40	0.20	56	14	0		845	795	214	57493	24	354363	Run/O&M/Run - Air Stripper off
RH	06/25/12	12:00 PM	SVE1-6	34,380	5	0.05	27	10	0		801	763	241	57585	31	354947	Run/O&M/Run
RH	07/02/12	11:00 AM	SVE1-6	34,546	40	0.20	56	8	0	ND<3	889	874	213	57800	31	356544	Run/O&M/Run - Air Stripper off
RH	07/09/12	7:45 AM	SVE1-6	34,660	5	0.05	27	16	0		805	772	247	57974	25	357793	Run/O&M/Run
RH	07/16/12	9:00 AM	SVE2-6, AS/SVE1,2	34,830	42	0.20	56	1619	34		861	876	185	58176	29	359315	Run/O&M/Run - Air Stripper off
RH	07/23/12	8:00 AM	SVE2-6, AS/SVE1,3	34,856	30	0.20	56	44	2		735	711	165	58204	4	359600	Run/O&M/Run - Air Stripper off
DC	07/30/12	7:15 AM	SVE2-6	35,022	32	0.20	56	22	0		910	867	173	58403	29	360840	Run/O&M/Run

TABLE 1
Operating Summary - Oxidizer

O&M THERM-OX SYSTEM FIELD LOG

ERI Site # 3281

CLIENT NAME: Newport Mesa Unified School District

SITE LOCATION: 2985 Bear Street, Costa Mesa, CA 92626

OPERATING PARAMETERS

TECH	DATE	TIME	SVE WELLS ON LINE	CUMULATIVE OPER. HRS	INFL. VAC (in. H2O)	FLOW		PID Conc.(ppmv)		LAB CONC INFL	Temp Preheat deg F	Temp Exhaust deg F	Total Exit Flow	GAS METER READ.	GAS Therms Day	ELEC. METER READ.	COMMENTS
						from wells dP	scfm	SYS INFL	SYS (50)								
RH	08/09/12	11:30 AM	SVE2-6, AS/SVE1,4	35,133	36	0.20	56	34	0	110	821	788	171	58536	13	361702	Run/O&M/Run - Air Striper off
RH	08/16/12	9:00 AM	SVE2-6, AS/SVE1,5	35,299	5	0.05	27	20	0		812	792	232	58729	28	363239	Run/O&M/Run
RH	08/24/12	8:00 AM	SVE2-6, AS/SVE1,6	35,491	5	0.05	27	17	0		838	820	240	58972	31	365413	Run/O&M/Run
RH	08/27/12	11:30 AM	SVE2-6, AS/SVE1,7	35,568	5	0.05	27	9	0		839	796	244	59070	31	366308	Run/O&M/Run
RH	09/04/12	7:30 AM	SVE2-6, AS/SVE1,8	35,636	NT	NT	NT	NT	NT		NT	NT	NT	59157	11	367303	Down/LO-TO - AS LO-TO
RH	09/14/12	9:00 AM	SVE2-6, AS/SVE1,9	35,637	30	0.20	56	11	0		780	741	241	59158	0	367310	LO-TO/Run/O&M/Run - AS LO-TO
RH	09/21/12	10:30 AM	SVE2-6, AS/SVE1,10	35,714	30	0.20	56	14	0		798	788	230	59251	13	367819	Down/Run/O&M/Run - AS LO-TO
RH	09/24/12	8:00 AM	SVE2-6, AS/SVE1,11	35,785	30	0.20	56	12	0		914	869	248	59346	33	368382	Run/O&M/Run - AS LO-TO

**TABLE 2
Operating Summary - Carbon Absorption**

O&M CARBON SYSTEM FIELD LOG				ERI JOB #	3281																
CLIENT NAME:				Newport Mesa Unified School District		Permit #	G22824														
SITE LOCATION:				2985 Bear Street, Costa Mesa, CA																	
TECH	DATE	# WELLS ONLINE	Cumulative Operating Hours	VES "A" Operating Hours	VES "B" Operating Hours	DOWNTIME (Days)	INFL. VAC ("H2O)	System ΔP P- Tube 2" (in. H2O)	Total Flow (cfm) <300	TEMP (F) <145	SYS INFL. ppm as hexane <510	SYS INFL by Laboratory TPHg	1ST DRUM ppm	SYS EFF. <10pp as HEXANE	HOLDING TANK LEVEL	TEDLARS TAKEN (Y/N)	ELECT. READING (kWh)	COMMENTS			
SYSTEM started on carbon																					
RH	05/07/13	8	0	0	0	0	8	1.2	50	110	34	19	0.0	0.0	200	Yes	372,172	LO-TO/Start -up/Run			
RH	05/16/13	8	45.9	46	46	4	6	1.1	48	120	221		0.0	0.0	200	No	372,254				
RH	05/17/13	8	71	67	71	0	6	1.1	48	120	158		0.0	0.0	200	No	373,496				
RH	05/20/13	8	139	133	139	0	6	1.1	48	120	149		0.0	0.0	100	No	373,805				
RH	05/21/13	8	164	158	164	0	6	1.1	48	125	347		0.0	0.0	100	No	373,940				
RH	05/22/13	6	180	174	180	0	6	1.0	46	120	182		0.0	0.0	100	No	374,083				
RH	05/23/13	6	194	188	194	0	6	1.0	46	118	188		0.0	0.0	100	No	374,222				
RH	05/24/13	6	211	205	211	0	6	1.0	46	110	81		0.0	0.0	100	No	374,367				
RH	05/28/13	6	313	307	313	0	6	1.0	46	118	27		0.3	1.1	100	No	375,247				
RH	05/30/13	2	359	352	359	0	55	1.0	43	130	98		0.0	0.0	100	No	375,638				
RH	06/07/13	2	549	542	548	0	45	1.0	43	105	82		0.0	0.0	100	No	376,558				
RH	06/14/13	2	715	708	714	0	40	0.8	38	105	70	21	0.0	0.0	100	Yes	377,477				
RH	06/21/13	2	885	876	883	0	44	0.7	36	110	47		0.0	0.0	100	No	378,825				
RH	06/24/13	2	963	954	960	0	44	0.7	36	110	53		0.0	0.0	100	No	379,169				
RH	07/03/13	2	1173	1,164	1,170	0	42	0.7	36	115	44	3.0	0.0	0.0	100	Yes	379,961				
RH	07/17/13	2	1511	1,502	1,508	0	40	0.7	37	110	27		0.0	0.0	100	No	381,368				
RH	07/10/13	2	1345	1,336	1,342	0	38	0.6	34	115	39		0.0	0.0	100	No	380,614				
RH	07/17/13	2	1511	1,502	1,508	0	40	0.7	37	110	27		0.0	0.0	100	No	381,368				
RH	07/23/13	2	1659	1,650	1,656	0	44	0.7	36	115	32		0.0	0.0	100	No	382,679				
RH	08/02/13	2	1899	1,890	1,896	0	44	0.7	36	115	49		0.0	0.0	100	No	384,521				
RH	08/05/13	2	1972	1,963	1,969	0	43	0.7	36	120	37	3.0	0.0	0.0	100	Yes	385,075				
RH	08/14/13	2	2157	2,148	2,154	0	34	0.4	28	110	26		0.0	0.0	100	No	386,513				
RH	08/21/13	2	2328	2,319	2,325	0	38.1	0.6	34	112	67		0.0	0.0	100	No	387,964	Sparge readjusted			
RH	08/27/13	2	2469	2,460	2,466	0	41	0.5	31	115	51		0.0	0.0	100	No	389,160	Resulting in increased			
RH	09/04/13	2	2662	2,652	2,659	0	39	0.5	31	115	53		0.0	0.0	100	No	390,626	HC Concentrations			
RH	09/11/13	2	2831	2,821	2,128	0	52	0.3	24	110	21		0.0	0.0	100	Yes	391,520				
RH	09/18/13	2	3658	2,988	2,955	0	32	0.3	24	105	42		0.0	0.0	100	No	392,781				
RH	09/26/13	2	3891	3,181	3,188	0	30	0.3	24	105	44	43.0	0.0	0.0	100	No	394,428				
RH	09/30/13	2	3987	3,277	3,284	0	30	0.3	24	100	56		0.0	0.0	100	No	394,980				
RH	10/11/13	2	3988	3,278	3,285	0	36	0.3	24	100	61	3.6	0.0	0.0	100	Yes	395,312				
RH	10/15/13	2	4083	3,373	3,349	0	32	0.3	24	85	52		0.0	0.0	100	No	395,986				
RH	10/22/13	2	4280	3,539	3,546	0	30	0.2	20	90	47		0.0	0.0	100	No	397,259				
RH	10/28/13	2	4422	3,681	3,688	0	34	0.2	20	85	43		0.0	0.0	100	No	398,159				
RH	11/04/13	2	4594	3,853	3,859	0	28	0.2	20	85	62	9.6	0.0	0.0	100	Yes	399,255				
RH	11/15/13	2	4853	4,111	4,118	0	28	0.2	20	80	41		0.0	0.0	100	No	401,123				
MWM	11/20/13	2	4982	4,240	4,246	0	28.9	0.2	20	80	73		0.0	0.0	100	No	402,076				
MWM	11/25/13	2	5101	4,359	4,365	0	29.3	1.0	44	86	54		0.0	0.0	100	No	402,840				
MWM	12/05/13	2	5340	4,598	4,604	0	29.9	0.2	20	82	3		0.0	0.0	100	No	404,485				
MWM	12/17/13	2	5627	4,885	4,891	0	11.6	0.1	14	80	14	3	0.0	0.0	100	Yes	406,729				

**TABLE 2
Operating Summary - Carbon Absorption**

O&M CARBON SYSTEM FIELD LOG				ERI JOB #	3281																
CLIENT NAME:				Newport Mesa Unified School District		Permit #	G22824														
SITE LOCATION:				2985 Bear Street, Costa Mesa, CA																	
TECH	DATE	# WELLS ONLINE	Cumulative Operating Hours	VES "A" Operating Hours	VES "B" Operating Hours	DOWNTIME (Days)	INFL. VAC ("H2O)	System ΔP P- Tube 2" (in. H2O)	Total Flow (cfm) <300	TEMP (F) <145	SYS INFL. ppm as hexane <510	SYS INFL by Laboratory TPHg	1ST DRUM ppm	SYS EFF. <10pp as HEXANE	HOLDING TANK LEVEL	TEDLARS TAKEN (Y/N)	ELECT. READING (kWh)	COMMENTS			
MWM	01/02/14	2	6011	5,269	5,275	0	14.4	0.2	20	87	25		0.0	0.0	100	No	409,669				
LJ	01/15/14	2	6323	5,581	5,587	0	10.4	0.1	14	100	92		2.7	0.0	100	No	NT				
MWM	01/24/14	2	6538	5,796	5,802	0	12.5	0.2	20	87	35		0.0	0.0	100	No	413,416				
MWM	01/31/14	2	6708	5,966	5,972	0	10.8	0.2	20	82	41		0.0	0.0	100	No	414,696				
LJ	02/07/14	2	6876	6,133	6,140	0	9	0.3	25	80	3		0.0	0.0	100	No	NT				
MWM	02/13/14	2	7017	6,274	6,281	0	12	0.3	25	84	9		0.0	0.0	100	No	416,684				
MWM	02/20/14	2	7185	6,442	6,449	0	12	0.1	14	82	0	3	0.0	0.0	100	Yes	417,731				
HC	02/27/14	2	7358	6,615	6,621	0	12	0.2	20	86	0		0	0	100/99	no	418958				
LJ	03/05/14	2	7460	6,716	6,723	1	19	0.1	14	85	52		0.0	0.0	100	No	NT	DWN/ST/O&M/RUN			
HC	03/14/14	2	7674	6,930	6,936	0	20.2	0.1	14	82	4.4	18	0	0	100/100	yes	420491				
HC	03/18/14	2	7753	7,009	7,015	1	30.4	0.2	20	76	120		0	0	100/100	No	420976	Down Start O&M Run			
LJ	03/27/14	2	7971	7,227	7,233	0	29.7	0.2	20	85	68		0.0	0.0	100	No	NT				
LJ	04/02/14	2	8115	7,371	7,377	0	30.4	0.2	20	87	41		0.0	0.0	100	No	NT				
LJ	04/09/14	2	8177	7,433	7,439	1	37	0.2	20	87	12	6.3	6.5	0.0	100	Yes	NT	DWN/ST/O&M/RUN			
LJ	04/15/14	2	8325	7,581	7,587	0	37	0.2	20	102	7		0.0	0.0	100	No	NT				
LJ	04/25/14	2	8560	7,816	7,822	NT	33	0.2	20	84	7		0.0	0.0	100	No	NT				
LJ	04/30/14	2	8683	7,939	7,945	NT	28	0.2	20	96	16		0.0	0.0	100	No	NT				
LJ	05/09/14	2	8901	8,157	8,163	NT	27	0.2	20	95	22		0.0	0.0	100	No	NT				
LJ	05/15/14	2	9088	8,299	8,350	0	27	0.2	20	105	10	3.3	0.0	0.0	100	Yes	426,674				
LJ	05/23/14	2	9279	8,490	8,496	0	27	0.2	20	100	12		0.0	0.0	100	No	427,810				
LJ	05/29/14	2	9460	8,671	8,638	0	27	0.2	20	100	10		0.0	0.0	100	No	428,688				
HC	06/03/14	2	9651	8,823	8,829	0	36	0.5	31	110	16.8		0	0	500	NO	429775				
HC	06/12/14	2	9803	8,975	8,969	0	38	0.5	31	135	3.3	3	0	0	500	YES	430568				
LJ	06/20/14	2	9989	9,162	9,169	0	23	0.4	28	120	26		0.0	0.0	500	No	431,602				
LJ	06/26/14	3	827			0	25	0.3	24	120	26		0	0	500	NO	NT				
HC	06/30/14	2	10229	9396	9402	0	30	0.4	28	110	0		0	0	500	NO	432840	Carbons need change out			
HC	07/10/14	2	10470	9396	9,643	0	26	0.4	28	110	0		0	0	500	NO	432961	Run/O&M/ Down			
HC	07/14/14	2	10470	9396	9,643	4															
LJ	07/25/14	2	10730	9,656	9,903	0	67	1.7	55	110	43		0.0	0.0	500	No	434548				
LJ	07/28/14	2	10804	9,730	9,977	0	68	1.6	53	115	47		0.0	0.0	500	No	434849				
LJ	08/05/14	2	10993	9,919	10,166	0	67	1.6	53	110	40		0.0	0.0	500	No	435610				
LJ	08/14/14	2	11207	10,133	10,319	0	67	1.6	53	120	30	16	0.0	0.0	500	Yes	436353				
LJ	08/19/14	2	11378	10,244	10,490	0	67	1.2	46	115	27		0.0	0.0	500	No	436809				
LJ	08/25/14	2	11537	10,402	10,649	0	67	1.2	46	110	7		0.0	0.0	500	No	437372				
LJ	09/04/14	2	11771	10,636	10,833	0	67	2.0	59	115	27		0.0	0.0	500	No	438014				
LJ	09/16/14	2	12101	10,917	11,163	0	67	2.2	62	120	37	14	6.0	0.0	500	No	439172				
LJ	09/23/14	2	12244	11,059	11,306	0	67	2.2	62	110	38		5.0	0.0	500	No	440189				
LJ	09/29/14	2	12395	11,210	11,456	0	67	2.4	65	120	34		4.0	0.0	500	No	440888				
LJ	10/09/14	2	12660	11,414	11,721	0	67	2.4	65	110	7	4.6	0.0	0.0	500	No	441765				
HC	10/15/14	2	12863	11617	11864	0	45	2.5	69	120	7.2		0	0	500	No	442457				
HC	10/21/14	2	13006	11760	12006	0	43	2.6	70	104	3		0	0	300	no	443150				

**TABLE 2
Operating Summary - Carbon Absorption**

O&M CARBON SYSTEM FIELD LOG					ERI JOB #	3281														
CLIENT NAME:					Newport Mesa Unified School District	Permit #	G22824													
SITE LOCATION:					2985 Bear Street, Costa Mesa, CA															
TECH	DATE	# WELLS ONLINE	Cumulative Operating Hours	VES "A" Operating Hours	VES "B" Operating Hours	DOWNTIME (Days)	INFL. VAC ("H2O)	System ΔP P- Tube 2" (in. H2O)	Total Flow (cfm) <300	TEMP (F) <145	SYS INFL. ppm as hexane <510	SYS INFL by Laboratory TPHg	1ST DRUM ppm	SYS EFF. <10pp as HEXANE	HOLDING TANK LEVEL	TEDLARS TAKEN (Y/N)	ELECT. READING (kWh)	COMMENTS		
HC	10/27/14	2	13152	11904	12152	0	43	2.6	70	1.2	4.2		0	0	475	no	443713			
HC	11/03/14	2	13321	12073	12320	0	45	2.5	69	118	5.1		0	0	475	No	444302			
LJ	11/13/14	2	13564	12,316	12,563	0	67	2.4	65	115	9		0.0	0.0	500	No	445303			
LJ	11/21/14	2	13770	12,522	12,768	0	45	2.5	69	115	9	3.6	0.0	0.0	450	Y	446269			
LJ	11/26/14	2	13872	12,623	12,870	0	45	2.5	69	120	10		0.0	0.0	450	No	446739			
LJ	12/03/14	2	14044	12,789	13,036	0	43	2.6	70	100	8		0.0	0.0	450	No	447579			
LJ	12/10/14	2	14218	12,963	13,209	0	48	2.0	61	105	7	3	0.0	0.0	450	No	448488			
HC	12/17/14	2	14383	13128	13314	0	52	1.7	56.0	90	2.1		0	0	3400	No	449151			
HC	12/24/14	3	14608	13292	13539	0	52	1.7	56	98	12		0	0	300	N	449940			
HC	01/02/15	3	14826	13510	13649	0	35	0.5	31	80	5		0	0	400	N	450818			
HC	01/08/15	3	14913	13450	13736	3.6	30	5	99	70	2		0	0	100	N	451073			
HC	01/15/15	3	15174	13711	13736	0	25	5	100	100	0		0	0	400	N	451308			
HC	01/29/15	3	15499	14036	13816	0	35	1.4	52	90	0.7		0	0	300	no	452351			
HC	02/03/15	3	15702	14179	14019	0	30	1.4	52	89	0		0	0	300		453017			
HC	02/13/15	3	15945	14422	14262	0	35	1.4	52	110	0		0	0	300	YES	453868			
HC	02/18/15	3	16037	14514	14354	0	35	1.4	52	88	0		0	0	300	no	454329			
HC	02/25/15	3	16220	14697	14519	0	18	2	64	89	0		0	0	300	No	454915			
HC	04/10/15	3	16220	14679	14519	0	30	1.8	59	110	54.4		0	0	150	YES	455409	System off for month of March		
HC	04/18/15	3	16392	14851	14691	0	28	2	63	110	47	48	0	0	200	No	455980			
HC	04/24/15	3	16551	15010	14850	0	22	1.7	58	90	28		0	0	200	No	456808			
HC	04/27/15	3	16628	15087	14927	0	24	1.8	60	110	0		0	0	200	NO	457122			
HC	05/13/15	3	16628	15087	14927	2WKS	26	2	63	92	52	3.5	0	0	200	YES	457425			
HC	05/18/15	3	16750	15209	15049	0	26	2	63	110	12		0	0	200	No	457935			
HC	05/26/15	3	16940	15398	15239	0	20	2	63	100	3.1		0	0	200	No	458652			
HC	06/05/15	3	16942	15400	15241	10	26	1.8	60	110	7.1		0	0	300	No	458883			
HC	06/08/15	3	17011	15469	15310	0	24	2	63	100	2.2		0	0	400	No	451169			
HC	06/16/15	3	17359	15499	15658	0	25	2	63	96	1.7	3	0	0	200	YES	459882			
HC	06/22/15	3	17511	15645	15809	0	24	3.1	63	110	0		0	0	375	No	460431	Run O&M Sample Run		
HC	07/02/15	3	17749	15883	16042	0	25	2	63	110	0		0	0	200	No	461313	Shut down		
HC	08/14/15	3	17750	15884	16043	40	22	2.2	66	100	180		0	0	200	Yes	462256	Start O&M Run		
HC	08/20/15	3	17894	16027	16187	0	25	2	63	97	7.4		0	0	400	yes	462814	Run O&M		

TABLE 3
Hydrocarbon Removal - Oxidizer

INLET CONDITIONS

Date	Time	Flow SCFM	Hydrocarbon Concentration in ppmv							Lb TPH per Period as hexane	Lb Benzene per Period	Lb Toluene per Period	Lb Ethyl Benzene per Period	Lb Xylenes per Period	Lb MTBE per Period	Lb TBA per Period
			TPH as hexane	B	T	E	X _{OP}	MTBE	TBA							
04/03/07	11:06 AM	49	15000	600	1100	100	400	2500	NM							
04/09/07	5:50 PM	51	15000	600	1100	100	400	2500	NM	1,511.2	54.8	118.6	12.4	49.7	257.7	
05/09/07	6:00 AM	44	1800	20	85	22	72	150	NM	3,777.2	126.4	285.0	33.8	130.8	609.7	
05/22/07	5:00 PM	44	1800	20	85	22	72	150	NM	361.8	3.4	17.3	5.2	16.9	29.2	
05/22/07	Down	0														
06/05/07	Down	0														
06/05/07	2:00 PM	44	1800	20	85	22	72	150		0.0	0.0	0.0	0.0	0.0	0.0	
06/11/07	4:20 PM	44	2700	54	140	22	112	420	1.8	193.7	2.9	10.4	2.3	9.8	25.1	0.1
07/13/07	2:00 PM	22	1000	4.4	28	10	42	160	1.9	624.9	8.9	30.4	6.7	32.1	100.2	0.5
08/07/07	1:30 PM	22	2800	1.8	9.6	2.6	22.1	82	0	335.0	0.5	3.5	1.4	7.0	21.8	0.1
09/07/07	10:30 AM	22	690	0.8	9.4	4.9	22.1	77	0.7	380.3	0.3	2.2	1.0	5.9	17.7	0.1
10/04/07	10:40 AM	44	320	0.17	5.4	2.7	18.4	7.6	1.1	144.4	0.1	2.3	1.3	7.1	12.4	0.2
11/16/07	9:45 AM	53	310	0.04	3.3	3.4	13.5	8.9	1.3	210.6	0.1	3.1	2.5	13.1	5.6	0.7
12/14/07	9:00 AM	44	170	0.02	1.3	1.3	10.6	2.2	2.7	104.4	0.0	1.1	1.3	6.5	2.5	0.7
01/02/08	4:00 PM	24	170	0.02	1.3	1.3	10.6	2.2	2.7	System down	down					
01/15/08	8:15 AM	52	490	0.15	1.2	1.6	11.4	1.1	2.3	51.0	0.0	0.2	0.3	2.1	0.3	0.3
02/20/08	8:30 AM	44	140	0.02	0.02	0.03	0.4	0.07	0.05	174.7	0.0	0.4	0.6	4.0	0.3	0.6
03/11/08	10:30 AM	44	160	0.04	0.56	0.9	7.4	4.7	3	42.5	0.0	0.1	0.2	1.4	0.7	0.4
04/03/08	7:30 AM	52	180	0.08	0.13	0.13	1.51	2.4	0.42	59.9	0.0	0.1	0.2	1.9	1.3	0.5
05/07/08	11:45 AM	52	300	1.4	1.4	0.75	6.6	1.7	0.4	136.8	0.4	0.5	0.3	2.8	1.2	0.2
06/04/08			Down 4 days for water sampling - 4 days deducted from up time in calcs below													
06/13/08	8:20 AM	37	210	1.8	3	1	10.7	1.6	1.9	119.6	0.7	1.1	0.5	5.0	0.8	0.5
			Down 2 days to repair PVC ART tubing - 2 days deducted from up time in calcs below													
07/10/08	1:30 PM	27	73	0.15	0.55	0.083	1.24	0.19	0.062	36.6	0.2	0.5	0.2	1.9	0.2	0.2
08/08/08	1:00 PM	44	230	0.063	0.044	0.35	6.7	0.6	1.5	50.0	0.0	0.1	0.1	1.6	0.1	0.2
			Down 5 days for water sampling - 5 days deducted from up time in calcs below													
09/11/08	1:20 PM	44	260	0.81	1.8	0.52	7.8	2	1.6	100.3	0.2	0.4	0.2	3.7	0.5	0.5
10/09/08	7:40 AM	37	32	0.005	0.046	0.025	1.52	0.02	0.12	52.7	0.1	0.4	0.1	2.1	0.4	0.3
11/05/08	11:45 AM	37	550	0.64	2.8	0.4	3.6	0.3	0.3	93.9	0.1	0.5	0.1	1.0	0.1	0.1
			Down for 65 hrs (2.7 days) - 2.7 days were subtracted from up time in the calculation below													
12/09/08	8:00 AM	37	120	0.067	0.230	0.130	2.900	0.240	2.700	123.8	0.1	0.6	0.1	1.5	0.1	0.5
01/06/09	11:50 AM	37	19	0.018	0.094	0.047	0.570	0.010	0.420	23.2	0.0	0.1	0.0	0.7	0.0	0.4
02/05/09	7:45 AM	44	28	0.004	0.009	0.034	0.810	0.016	0.360	9.1	0.0	0.0	0.0	0.3	0.0	0.1
03/18/09	7:30 AM	37	32	0.005	0.024	0.027	0.420	0.033	0.270	16.0	0.0	0.0	0.0	0.4	0.0	0.1
04/11/09	12:00 PM	37	18	0.004	0.007	0.037	0.540	0.030	0.310	7.2	0.0	0.0	0.0	0.2	0.0	0.1
05/08/09	7:10 AM	37	14	0.013	0.060	0.017	0.360	0.090	0.180	5.1	0.0	0.0	0.0	0.2	0.0	0.1
06/17/09	11:30 AM	37	27	0.044	0.005	0.017	0.380	0.029	0.440	9.8	0.0	0.0	0.0	0.2	0.0	0.1
07/09/09	1:50 PM	37	41	0.009	0.008	0.006	0.055	0.042	0.074	8.9	0.0	0.0	0.0	0.1	0.0	0.1
08/05/09	9:05 AM	37	42	0.086	0.092	0.007	0.134	0.069	0.130	13.2	0.0	0.0	0.0	0.0	0.0	0.0
09/15/09	8:20 AM	37	43	0.130	0.150	0.026	0.410	0.066	0.081	20.7	0.0	0.1	0.0	0.2	0.0	0.0
10/09/09	9:15 AM	37	27	0.110	0.180	0.017	0.205	0.050	0.080	10.0	0.0	0.1	0.0	0.1	0.0	0.0
11/16/09	11:30 AM	45	32	0.150	0.240	0.027	0.470	0.080	0.120	14.8	0.1	0.1	0.0	0.2	0.0	0.0
12/11/09	7:00 AM	45	24	0.096	0.170	0.020	0.360	0.055	0.120	10.0	0.0	0.1	0.0	0.2	0.0	0.0
01/07/10	1:30 PM	45	33	0.140	0.250	0.047	1.150	0.020	0.140	11.2	0.0	0.1	0.0	0.4	0.0	0.0
02/03/10	7:20 AM	45	7.2	0.001	0.005	0.002	0.051	0.014	0.076	7.8	0.0	0.1	0.0	0.3	0.0	0.0
			Down for 102 days - 102 days were subtracted from up time in the calculation below													
05/24/10	10:45 AM	30	8.2	0.001	0.005	0.009	0.022	0.003	0.076	0.8	0.0	0.0	0.0	0.0	0.0	0.0
			Down for 13.6 days - 13.6 days were subtracted from up time in the calculation below													
06/11/10	11:40 AM	30	3.0	0.005	0.011	0.005	0.129	0.010	0.010	0.2	0.0	0.0	0.0	0.0	0.0	0.0
			Down for 40.7 days - 40.7 days were subtracted from up time in the calculation below													
08/12/10	1:45 PM	25	48	0.021	0.017	0.008	0.073	0.016	0.016	14.0	0.0	0.0	0.0	0.1	0.0	0.0
09/09/10	1:30 PM	12	28	0.020	0.020	0.020	0.120	0.040	0.040	6.3	0.0	0.0	0.0	0.0	0.0	0.0
10/04/10	3:00 PM	37	5.6	0.007	0.005	0.005	0.016	0.010	0.010	3.3	0.0	0.0	0.0	0.0	0.0	0.0
			Down for 17 days - 17 days were subtracted from up time in the calculation below													
12/13/10	2:00 PM	41	3.0	0.005	0.005	0.005	0.015	0.010	0.013	2.8	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 3
Hydrocarbon Removal - Oxidizer

INLET CONDITIONS

Date	Time	Flow SCFM	Hydrocarbon Concentration in ppmv							Lb TPH per Period as hexane	Lb Benzene per Period	Lb Toluene per Period	Lb Ethyl Benzene per Period	Lb Xylenes per Period	Lb MTBE per Period	Lb TBA per Period
			TPH as hexane	B	T	E	X _{o+p}	MTBE	TBA							
Down for 8.5 days - 8.5 days were subtracted from up time in the calculation below																
01/03/11	11:20 AM	50	3.0	0.005	0.005	0.005	0.015	0.010	0.010	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Down for 12.7 days - 12.7 days were subtracted from up time in the calculation below																
02/28/11	10:15 AM	50	3.0	0.005	0.005	0.005	0.015	0.010	0.010	2.1	0.0	0.0	0.0	0.0	0.0	0.0
03/07/11	12:15 PM	50	3.0	0.005	0.005	0.005	0.026	0.010	0.024	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Down for 28.6 days - 28.6 days were subtracted from up time in the calculation below																
05/02/11	10:50 AM	0	3.0	0.044	0.063	0.018	0.170	0.010	0.010	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Down for 3.4 days - 3.4 days were subtracted from up time in the calculation below																
06/17/11	9:10 AM	28	3.0	0.005	0.005	0.013	0.019	0.010	0.010	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Down for 0.9 days - 0.9 days were subtracted from up time in the calculation below																
07/08/11	1:15 PM	28	3.0	0.005	0.005	0.016	0.020	0.010	0.020	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Down for 21.0 days - 21.0 days were subtracted from up time in the calculation below																
08/12/11	7:40 AM	27	6.1	0.430	0.260	0.130	0.690	0.250	0.010	1.4	0.1	0.0	0.0	0.1	0.0	0.0
Down for 25.9 days - 25.9 days were subtracted from up time in the calculation below																
09/28/11	9:45 AM	27	3.0	0.005	0.005	0.005	0.015	0.010	0.010	1.8	0.1	0.1	0.0	0.2	0.1	0.0
10/05/11	3:40 PM	27	4.5	0.460	0.220	0.058	0.440	0.010	0.010	0.2	0.0	0.0	0.0	0.0	0.0	0.0
11/07/11	11:00 AM	27	3.0	0.012	0.012	0.005	0.009	0.010	0.010	1.0	0.1	0.0	0.0	0.1	0.0	0.0
12/15/11	8:30 AM	37	3.0	0.005	0.005	0.005	0.015	0.010	0.010	1.1	0.0	0.0	0.0	0.0	0.0	0.0
01/03/12	1:25 PM	27	3.0	0.073	0.049	0.011	0.098	0.01	0.01	0.6	0.0	0.0	0.0	0.0	0.0	0.0
02/27/12	11:30 AM	27	3.0	0.29	0.19	0.038	0.29	0.014	0.01	1.4	0.1	0.1	0.0	0.1	0.0	0.0
03/15/12	8:25 AM	27	3.0	0.29	0.17	0.035	0.28	0.015	0.01	1.4	0.0	0.0	0.0	0.1	0.0	0.0
04/05/12	8:50 AM	27	3.0	0.066	0.051	0.010	0.099	0.010	0.010	0.5	0.0	0.0	0.0	0.0	0.0	0.0
05/18/12	9:30 AM	37	3.0	0.050	0.050	0.050	0.015	0.010	0.010	1.3	0.0	0.0	0.0	0.0	0.0	0.0
06/12/12	8:00 AM	27	3.0	0.051	0.038	0.0058	0.072	0.017	0.011	0.8	0.0	0.0	0.0	0.0	0.0	0.0
07/02/12	11:00 AM	56	3.0							0.8						
08/09/12	11:45 AM	56	110							38.6						
Total removed										8,934.6	200.1	479.5	71.0	312.1	1,088.4	8.1

$$(A37-A36+B37-B36) \times 1440 \times (C36+C37)/2 \times (D36+D37)/2/1000000 \times 86/386 = \text{lb TPHq}$$

Days Minutes cu ft air x cu ft TPHq lb TPHq(as Hexane) lb TPHq
 Day Minute cu ft air cu ft TPHq(as Hexane) period

INPUT DATA:

- Air flow rate in SCFM (Standard Cubic Feet per Minute) Std = 70 °F and 14.7 psia. Per Dwyer (Dwyers Integrating Pitot Tubes and their Rotameters read directly in SCFM)
- Air pressure and temperature at the measuring device (needed for Pitot tube calcs to give SCFM)
- Differential pressure (dP) in inches of water across the Pitot tube (if that's how flow is measured).
- Hydrocarbon content of the air (in ppmv as hexane) 86 lb hexane = 386 SCF at 70 °F and 14.7 psig. The molal volume of any gas (perfect gas) = 359 cu ft per lb mole (at 32 °F and 14.7 psia) $359 \times (460+70)/(460+32) = 386 \text{ cu ft at } 70^\circ\text{F}$.
(for hexane: ppmv = mg/M³ x 24.1 / 86 (86 = molecular wt of hexane)
- Length of time (days) over which the flow rate occurred.

Molecular weight					
Benzene	Toluene	Et Benzene	Xylene	MTBE	TBA
78	92	106	106	88	74

From periodic measurements, a calculation of total pounds of hydrocarbons removed from a well or from a system are calculated. The input data listed above are measured as specific points in time. To calculate quantities removed, some assumptions must be made about what was happening between measurements. The following assumptions will be used for the sake of consistency:

Metric to English Units

22.4	1/28.32	454	359.096
liters	cu ft	g-mole	cu ft
g-mole	liter	lb mole	lb-mole
at 1 atm			at 1 atm
0°C			32°F

ASSUMPTIONS:

- Air flow for the period equals the average of the initial and final reading for the period.
- Pressure and temperature for the entire period will be the final reading.
- Hydrocarbon concentrations for the period equals the average of the initial and final values.
- The hours of operation can be taken from an hour meter, an electric meter, or can be assumed to be equal to the entire time period between measurements, if the equipment operated continuously.
- If the unit is found down, an attempt is made to determine how many hours of operation there were and the data taken for the previous period is used to make the calculations. The unit is restarted and, after a suitable waiting period (usually two hours), data are taken to start the next period.

**TABLE 4
Hydrocarbon Removal - Carbon Absorption**

Newport Mesa Unified School District
2985 Bear Street, Costa Mesa, CA

INLET CONDITIONS

Date	Time	Flow SCFM	Hydrocarbon Concentration in ppmv						Lb TPH per Period as hexane	Lb Benzene per Period	Lb Toluene per Period	Lb Ethyl Benzene per Period	Lb Xylenes per Period	Lb MTBE per Period	
			TPH as hexane ppmv	B ppmv	T ppmv	E ppmv	X _{OP} ppmv	MTBE ppmv							
Total removed previously with Catox System									8934.6	200.1	479.5	71.0	312.1	1088.4	
05/07/13	1:25 PM	50	19	0.054	0.03	0.025	0.094	0.05							
06/14/13	2:00 PM	38	21	0.025	0.068	0.025	0.148	0.05	10.7	0.0	0.0	0.0	0.1	0.0	
07/03/13	8:35 AM	36	3	0.005	0.005	0.005	0.015	0.01	2.7	0.0	0.0	0.0	0.0	0.0	
08/05/13	2:20 PM	36	3	0.005	0.005	0.005	0.015	0.01	1.2	0.0	0.0	0.0	0.0	0.0	
09/26/13	7:18 AM	24	43	0.78	0.13	0.016	0.49	0.025	11.4	0.2	0.0	0.0	0.2	0.0	
10/11/13	3:15 PM	24	3.6	0.054	0.033	0.005	0.038	0.01	2.8	0.0	0.0	0.0	0.0	0.0	
11/03/13	1:15 PM	20	9.6	0.012	0.12	0.17	0.19	0.01	1.1	0.0	0.0	0.0	0.0	0.0	
12/17/13	1:10 PM	14	3	0.005	0.005	0.007	0.247	0.1	1.5	0.0	0.0	0.0	0.1	0.0	
02/20/14	10:50 AM	14	3	0.005	0.005	0.005	0.015	0.01	0.9	0.0	0.0	0.0	0.0	0.0	
03/14/14	6:00 AM	14	18	0.012	0.012	0.021	0.267	0.025	1.0	0.0	0.0	0.0	0.0	0.0	
04/09/14	10:30 AM	20	6.3	0.13	0.043	0.0063	0.123	0.01	1.7	0.0	0.0	0.0	0.0	0.0	
05/15/14	1:10 PM	20	3.3	0.005	0.062	0.0085	0.184	0.01	1.1	0.0	0.0	0.0	0.0	0.0	
06/12/14	1:30 PM	31	3	0.005	0.005	0.005	0.015	0.01	0.7	0.0	0.0	0.0	0.0	0.0	
08/14/14	4:20 PM	53	16	0.005	0.005	0.005	0.024	0.14	8.1	0.0	0.0	0.0	0.0	0.1	
09/09/14	6:20 PM	62	14	0.074	0.037	0.005	0.167	0.01	7.2	0.0	0.0	0.0	0.1	0.0	
10/09/14	3:10 PM	65	4.6	0.09	0.51	0.005	0.226	0.01	5.7	0.0	0.2	0.0	0.1	0.0	
11/21/14	2:05 PM	69	3.6	0.026	0.031	0.006	0.102	0.01	3.8	0.0	0.3	0.0	0.2	0.0	
12/10/14	3:10 PM	61	3.0	0.0057	0.0061	0.005	0.042	0.01	1.3	0.0	0.0	0.0	0.0	0.0	
01/22/15	2:00 PM	60	2.9	0.11	0.087	0.012	0.205	0.01	2.5	0.0	0.0	0.0	0.1	0.0	
02/13/15	3:30 PM	67	3.0	0.005	0.005	0.005	0.0074	0.01	1.3	0.0	0.0	0.0	0.1	0.0	
System down for water sampling															
04/20/15	2:30 PM	63	48.0	0.077	0.096	0.37	0.33	0.01							
05/13/15	11:30 AM	63	3.5	0.027	0.03	0.021	0.173	0.01	11.9	0.0	0.0	0.1	0.1	0.0	
06/16/15	10:00 AM	60	3.0	0.016	0.015	0.005	0.054	0.01	2.2	0.0	0.0	0.0	0.1	0.0	
Shut down during last part of June All of July and first part of AUGUST															
08/14/15	9:30 AM	60	62.0	0.26	0.53	0.23	3.2	0.01							
08/20/15	9:00 AM	60	30.0	0.1	0.29	0.11	0.49	0.04	5.3	0.0	0.1	0.0	0.3	0.0	
									Total removed	86.0	0.5	0.8	0.3	1.7	0.2

$$\begin{aligned}
 & \text{Days} \times \frac{\text{Minutes}}{\text{Day}} \times \frac{\text{cu ft air}}{\text{Minute}} \times \frac{\text{avg. flow}}{\text{cu ft air}} \times \frac{\text{avg. conc}}{\text{cu ft air}} \times \frac{86/386}{\text{cu ft TPHg(as Hexane)}} = \text{lb TPHg} \\
 & \text{Days} \times \frac{\text{Minutes}}{\text{Day}} \times \frac{\text{cu ft air}}{\text{Minute}} \times \frac{\text{cu ft TPHg}}{\text{cu ft air}} \times \frac{\text{lb TPHg(as Hexane)}}{\text{cu ft TPHg(as Hexane)}} \times \frac{\text{lb TPHg}}{\text{period}}
 \end{aligned}$$

INPUT DATA:

- 1) Air flow rate in SCFM (Standard Cubic Feet per Minute) Std = 70 °F and 14.7 psia. Per Dwyer (Dwyers Integrating Pitot Tubes and their Rotameters read directly in SCFM)
- 2) Air pressure and temperature at the measuring device (needed for Pitot tube calcs to give SCFM)
- 3) Differential pressure (dP) in inches of water across the Pitot tube (if that's how flow is measured).
- 4) Hydrocarbon content of the air (in ppmv as hexane) 86 lb hexane = 386 SCF at 70°F and 14.7 psig. The molal volume of any gas (perfect gas) = 359 cu ft per lb mole (at 32 °F and 14.7 psia) 359 x (460+70)/(460+32) = 386 cu ft at 70°F. (for hexane: ppmv = mg/M³ x 24.1 / 86 (86 = molecular wt of hexane)
- 5) Length of time (days) over which the flow rate occurred.

Molecular weight				
Toluene	Et Benzene	Xylene	MTBE	TBA
92	106	106	88	74

From periodic measurements, a calculation of total pounds of hydrocarbons removed from a well or from a system are calculated. The input data listed above are measured as specific points in time. To calculate quantities removed, some assumptions must be made about what was happening between measurements. The following assumptions will be used for the sake of consistency:

ASSUMPTIONS:

- 1) Air flow for the period equals the average of the initial and final reading for the period.
- 2) Pressure and temperature for the entire period will be the final reading.
- 3) Hydrocarbon concentrations for the period equals the average of the initial and final values.
- 4) The hours of operation can be taken from an hour meter, an electric meter, or can be assumed to be equal to the entire time period between measurements, if the equipment operated continuously.
- 5) If the unit is found down, an attempt is made to determine how many hours of operation there were and the data taken for the previous period is used to make the calculations. The unit is restarted and, after a suitable waiting period (usually two hours), data are taken to start the next period.

Metric to English Units

22.4	1/28.32	454	359.096
liters	cu ft	g-mole	cu ft
g-mole	liter	lb mole	lb-mole
at 1 atm			at 1 atm
0°C			32°F



APPENDIX A-1

HISTORICAL GROUNDWATER ANALYTICAL RESULTS BTEX, TPH-gas, and Fuel Oxygenates

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft. msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
MW-1	09/19/01	12.04	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND
	03/22/02	11.74	ND	ND	ND	ND	ND	12.6	ND	ND	ND	ND	ND	ND
	10/23/02	10.82	632	18.0	ND	ND	9.9	9.9	ND	ND	54.5	28.4	50.1	ND
	03/31/03	12.04	ND	ND	ND	ND	ND	3.3	ND	ND	ND	ND	ND	ND
	06/17/03	12.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/26/03	11.71	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	ND	ND
	11/20/03	11.72	ND	ND	ND	ND	ND	4.5	ND	ND	ND	ND	ND	ND
	03/12/04	12.09	91	ND	ND	ND	ND	14.7	ND	ND	ND	ND	ND	ND
	06/29/04	11.79	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND
	09/23/04	11.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/05/04	12.04	ND	ND	ND	ND	ND	3.0	ND	ND	ND	ND	ND	ND
	02/22/05	14.13	8,120	904	ND	ND	ND	6,580	64	ND	29	35	ND	ND
	06/10/05	14.82	128	3.6	ND	ND	ND	76.4	4.2	10.3	6.3	2.9	ND	ND
	08/12/05	14.46	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND
	11/10/05	13.91	ND	ND	ND	ND	ND	5.5	ND	ND	ND	ND	ND	ND
	02/18/06	13.98	ND	ND	ND	ND	ND	6.4	ND	ND	ND	ND	ND	ND
	06/10/06	14.67	ND	ND	ND	ND	ND	13.0	ND	17	ND	ND	ND	ND
	09/02/06	14.33	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND
	11/25/06	14.29	91	ND	ND	ND	ND	3.16	ND	ND	ND	ND	ND	ND
	02/19/07	14.38	ND	ND	ND	ND	ND	7.0	ND	ND	ND	ND	ND	ND
	05/05/07	14.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/28/07	13.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/03/07	13.30	ND	ND	ND	ND	ND	38.9	2.0	ND	ND	ND	ND	ND
	02/23/08	12.93	ND	ND	ND	ND	ND	2.9	ND	ND	1.1	ND	ND	ND
	05/26/08	12.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/16/08	11.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/25/08	11.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/18/09	12.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/09/09	11.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/22/09	11.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/07/09	10.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/20/10	12.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/08/10	12.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/24/10	12.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/24/10	12.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/09/10	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/22/11	13.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/23/11	13.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/11	13.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/22/11	13.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/12	13.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/28/12	13.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/18/12	13.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	13.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/08/13	13.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/18/13	13.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
07/20/13	12.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/05/13	12.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
01/25/14	12.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4/6/2014	12.49	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
7/14/2014	12.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/5/2014	11.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1/23/2015	11.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4/4/2015	11.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
7/25/2015	11.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	D1PE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
MW-2	09/19/01	11.77	19,000	2,510	ND	ND	ND	3,030	82	ND	1,410	1,480	2,190	
	03/22/02	11.53	10,200	962	ND	ND	186	995	28	ND	1,280	348	677	
	10/23/02	10.93	58,100	2,740	ND	ND	634	4,600	ND	ND	4,230	1,750	3,060	
	03/31/03		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	06/17/03	11.89	157,000	8,980	ND	ND	3,030	14,100	ND	ND	25,300	5,700	13,700	
	09/26/03		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/20/03		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	03/12/04	11.94	43,000	4,920	ND	ND	1,500	11,600	302	ND	8,580	3,240	6,380	
	06/29/04	11.65	114,000	5,840	ND	ND	1,300	21,800	ND	ND	12,900	3,120	6,400	
	09/23/04		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/05/04		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	02/22/05	13.93	248,000	27,500	ND	ND	3,160	132,000	1,460	ND	40,900	6,100	12,200	
	06/10/05	14.63	383,000	27,200	ND	ND	3,400	134,000	2,400	ND	42,000	7,600	16,300	
	08/12/05	14.43	141,000	12,500	ND	ND	2,320	63,000	ND	ND	20,200	4,830	9,500	
	11/10/05	13.77	197,000	16,700	ND	ND	2,550	68,000	ND	ND	29,600	5,250	10,200	
	02/18/06	13.92	257,000	18,000	ND	ND	2,570	75,000	1,120	ND	28,500	7,500	12,200	
	06/10/06	14.62	338,000	12,900	ND	ND	1,610	77,600	788	160,000	17,900	3,360	5,960	
	09/02/06	14.33	163,000	8,380	ND	ND	1,240	51,100	ND	ND	12,700	2,400	4,720	
	11/25/06	14.06	112,000	8,120	ND	ND	1,140	35,400	404	ND	9,500	2,040	4,040	
	02/19/07	14.32	208,000	13,600	ND	ND	1,670	95,100	1,130	19,800	22,100	3,970	7,300	
	05/05/07	14.10	252,000	17,200	ND	ND	2,800	83,800	1,080	3,060	30,600	5,240	11,200	
	07/28/07	13.52	19,200	115	ND	ND	ND	9,450	107	1,770	160	397	505	
	11/04/07	12.86	5,880	ND	ND	ND	ND	3,300	45	234	ND	72	73	
	02/23/08	13.06	3,460	14.5	ND	ND	34	1,150	ND	ND	23.4	101	35.4	
	05/28/08	12.10	290	1.10	ND	ND	1.20	41.6	ND	ND	1.20	5.80	3.90	
	08/18/08	11.66	247	ND	ND	ND	1.34	29.7	ND	ND	ND	3.02	2.14	
	10/26/08	11.32	166	ND	ND	ND	ND	71.9	ND	51.1	ND	2.92	ND	
	02/19/09	11.96	348	1.16	ND	ND	5.01	77.7	2.02	ND	ND	2.05	2.60	
	05/09/09	11.16	ND	ND	ND	ND	ND	7.04	ND	ND	ND	ND	ND	
	08/22/09	11.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	11/07/09	10.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	02/20/10	12.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/08/10	12.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	07/24/10	11.71	69.5	1.76	ND	ND	ND	ND	ND	ND	6.00	4.82	9.69	
	10/09/10	11.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	01/22/11	13.63	110	ND	ND	ND	ND	ND	ND	ND	1.28	1.47	2.97	
	04/23/11	13.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/07/11	13.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	10/22/11	13.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	02/21/12	13.38	121	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
05/28/12	13.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
08/18/12	13.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
10/20/12	12.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
02/09/13	13.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
05/18/13	13.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
07/21/13	12.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
10/05/13	12.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
01/25/14	12.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4/6/2014	12.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
7/13/2014	11.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
10/5/2014	11.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
1/23/2015	11.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4/4/2015	11.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
7/25/2015	10.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	m- & p-Xylenes	n- & p-Xylenes	
MW-3	09/19/01	11.54	508,000	12,400	ND	ND	3,280	213,000	6,670	ND	26,800	6,220	14,300	
	03/22/02	11.28	431,000	11,000	ND	ND	2,000	202,000	5,550	ND	16,300	4,100	8,550	
	10/23/02	10.91	401,000	8,340	ND	ND	1,860	344,000	ND	ND	13,200	4,860	8,580	
	03/31/03	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	06/17/03	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	09/26/03	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/20/03	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	03/12/04	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	06/29/04	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	09/23/04	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/05/04	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	02/22/05	NR	1,390,000	13,500	ND	ND	ND	950,000	16,100	ND	20,700	ND	ND	
	06/10/05	NR	1,720,000	16,000	ND	ND	ND	1,300,000	ND	ND	24,200	ND	ND	
	08/12/05	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/10/05	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	02/18/06	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	06/10/06	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	09/02/06	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/25/06	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	02/19/07	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	05/05/07	14.59	2,760,000	26,500	ND	ND	ND	1,700,000	230,000	90,000	49,700	5,000	12,000	
	07/28/07	14.07	1,430,000	9,000	ND	ND	ND	890,000	28,000	68,300	20,300	5,600	9,050	
	11/04/07	14.06	605,000	2,630	ND	ND	ND	370,000	12,600	27,500	6,630	2,630	ND	
	02/23/08	13.37	375,000	5,420	ND	ND	ND	191,000	11,000	ND	11,300	3,150	5,760	
	05/28/08	12.49	439,000	580	ND	ND	ND	256,000	7,600	73,000	1,370	2,130	3,080	
	08/18/08	11.97	59,400	ND	ND	ND	ND	29,400	3,070	ND	430	366	554	
	10/26/08	11.50	119,000	965	ND	ND	407	19,000	1,990	52,200	939	2,050	3,180	
	02/19/09	12.62	21,700	787	ND	ND	290	2,470	677	ND	1,240	838	1,550	
	05/09/09	11.44	47,800	584	ND	ND	318	3,560	1,250	27,000	431	654	1,150	
	08/22/09	11.20	6,620	5,25	ND	ND	ND	109	53	6,150	11.2	13.2	17.3	
	11/07/09	10.86	4,190	3.99	ND	ND	6.33	12.5	ND	2,690	12.1	21.7	31.4	
	02/20/10	12.71	1,900	8.26	ND	ND	66.8	ND	40.3	ND	48.9	135	156	
	05/08/10	12.74	2,580	35.5	ND	ND	103	29.7	38.1	ND	62.0	185	371	
	07/24/10	11.94	1,860	16.7	ND	ND	78.0	18.3	19.1	265	47.4	110	223	
	10/09/10	11.96	7,790	10.9	ND	ND	214	ND	ND	ND	149	340	715	
	01/22/11	14.10	3,990	13.1	ND	ND	122	ND	11.9	ND	136	262	545	
	04/23/11	14.14	7,580	26.9	ND	ND	263	15.9	20.1	ND	704	470	950	
	08/07/11	13.48	10,900	15.5	ND	ND	292	ND	ND	ND	88.7	432	925	
	10/22/11	13.41	16,300	23.5	ND	ND	270	ND	18	ND	115	436	1,020	
	02/21/12	14.07	7,340	13.4	ND	ND	134	ND	ND	ND	49.4	194	456	
05/28/12	13.70	1,590	5.3	ND	ND	39	ND	6.4	ND	18	50	106		
08/18/12	13.50	1,900	13.8	ND	ND	64.5	ND	13.7	ND	46.6	108	261		
10/20/12	13.24	2,220	8.2	ND	ND	95	ND	ND	ND	32	138	325		
02/09/13	13.05	1,220	7.45	ND	ND	50.6	ND	ND	ND	23.9	92.6	252		
05/18/13	5.53	1,240	5.28	ND	ND	29.2	5.54	4.88	ND	7.2	38	99.8		
07/21/13	12.94	393	1.47	ND	ND	12.6	2.93	ND	ND	3.32	18.6	46.6		
10/05/13	12.34	549	1.37	ND	ND	10.6	3.17	ND	ND	ND	9	26.8		
01/25/14	12.54	305	ND	ND	ND	9.85	3.27	ND	ND	ND	8.41	29.8		
4/6/2014	12.48	398	ND	ND	ND	7.33	ND	ND	ND	ND	3.10	9.01		
7/13/2014	12.20	1,490	ND	ND	ND	15.9	ND	ND	ND	ND	3.77	12.7		
10/5/2014	11.48	938	2.53	ND	ND	10.0	ND	ND	ND	ND	1.01	7.54		
1/23/2015	11.59	288	ND	ND	ND	4.68	ND	ND	ND	ND	1.33	ND		
4/4/2015	11.46	481	ND	ND	ND	4.23	ND	ND	ND	ND	1.01	ND		
7/25/2015	11.47	315	1.38	ND	ND	4.15	ND	ND	ND	ND	ND	ND		

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	DIPE	MTBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
MW-4	09/19/01	11.57	1,400	ND	ND	6.9	ND	1,180	26.5	ND	ND	2.3	ND	
	03/22/02	11.33	4,500	427	ND	ND	ND	1,320	28.0	ND	117	18	40	
	10/23/02	10.27	5,230	275	ND	11	12	1,650	ND	ND	90	37	55	
	03/31/03	11.67	4,790	323	ND	ND	ND	1,720	55.0	ND	111	12	25	
	06/17/03	11.70	8,350	1,520	ND	47	41	5,990	218	ND	276	41	109	
	09/26/03	11.28	16,100	748	ND	ND	ND	6,170	245	ND	ND	ND	ND	
	11/20/03	11.35	11,200	1,240	ND	ND	ND	8,900	ND	ND	250	ND	40	
	03/12/04	11.70	11,000	962	ND	56	44	6,760	248	ND	278	54	130	
	06/29/04	11.56	8,250	785	ND	ND	ND	5,590	161	ND	68	ND	ND	
	09/23/04	11.48	14,200	545	ND	ND	ND	10,900	250	ND	90	ND	ND	
	11/05/04	12.15	13,200	850	ND	ND	ND	7,050	ND	2,090	418	65	160	
	02/22/05	13.83	29,300	620	ND	ND	ND	23,600	200	ND	230	ND	113	
	06/09/05	14.59	33,500	1,630	ND	ND	120	16,700	400	8,300	135	74	207	
	08/12/05	14.54	55,400	6,650	ND	240	474	23,500	376	12,700	1,130	229	575	
	11/10/05	13.63	36,800	3,010	ND	168	185	21,800	ND	ND	223	104	240	
	02/18/06	13.76	25,900	720	ND	114	ND	15,700	288	ND	64	ND	ND	
	06/10/06	14.55	22,900	1,400	ND	ND	ND	8,700	120	8,900	ND	ND	ND	
	09/02/06	14.29	59,900	6,580	ND	ND	744	17,600	ND	1,240	1,170	886	1,090	
	11/25/06	13.99	40,500	6,300	ND	199	297	19,100	211	ND	565	454	620	
	02/19/07	14.46	44,100	6,000	ND	176	544	19,500	250	ND	802	698	850	
	05/05/07	14.07	9,460	280	ND	48	25	5,620	47	566	38	ND	ND	
	07/28/07	13.56	31,500	2,520	ND	173	ND	20,700	208	ND	213	115	150	
	11/03/07	13.33	31,700	2,890	ND	179	105	15,300	200	ND	207	160	249	
	02/23/08	12.80	60,500	8,100	ND	323	261	20,300	ND	ND	750	540	665	
	05/26/08	11.88	32,000	9,090	ND	261	294	8,700	ND	21,300	297	434	607	
	08/16/08	11.32	51,500	14,000	ND	ND	197	14,200	ND	12,500	309	377	713	
	10/25/08	10.80	44,600	8,280	ND	ND	251	13,200	ND	7,700	399	576	564	
	02/18/09	12.01	7,540	339	ND	53.5	13.7	273	ND	5,380	ND	7.70	12.8	
	05/09/09	10.88	14,500	5,710	ND	ND	ND	5,670	ND	ND	132	418	390	
	08/22/09	10.12	7,830	ND	ND	26.8	ND	2,140	41.9	4,290	ND	ND	ND	
	11/07/09	10.30	3,610	ND	ND	ND	ND	368	ND	2,890	ND	ND	ND	
	02/20/10	8.18	1,870	67.9	ND	17.1	8.83	421	ND	1,110	ND	ND	ND	
	05/08/10	12.21	1,010	109	ND	20.2	16.0	510	ND	ND	ND	5.45	10.0	
	07/24/10	11.20	10,200	475	ND	86.8	59.0	1,180	43.1	7,380	62.4	61.5	124	
	10/09/10	11.14	6,340	347	ND	28.6	31.7	266	10.1	4,860	32.8	46.3	60.5	
	01/22/11	13.69	2,420	5.99	ND	18.8	1.06	133	3.75	2,070	ND	ND	ND	
	04/23/11	13.67	442	51.3	ND	17.7	16.6	173	6.63	1,860	ND	1.15	4.19	
	08/07/11	13.38	8,640	691.0	ND	41.4	61.3	268	ND	5,330	52.0	105	142	
	10/22/11	12.78	21,000	1,810	ND	39.1	298	580	30.6	10,000	132	748	1,010	
	02/21/12	13.01	17,800	1,180	ND	36.0	210	324	20.3	4420	41.9	536	824	
	05/28/12	13.21	15,700	2,700	ND	ND	356	606	40.0	6,340	55	644	1,120	
	08/18/12	12.88	16,400	3,570	ND	ND	740	505	ND	5,000	109	1,110	2,520	
10/20/12	11.83	18,200	2,480	ND	ND	715	349	ND	4,040	69	540	2,800		
02/09/13	13.18	10,300	1,510	ND	33.2	257	188	ND	5,310	ND	175	843		
05/18/13	12.77	8,500	72.5	ND	ND	263	ND	ND	1,660	ND	143	1,480		
07/21/13	12.46	2,330	376	ND	ND	47.8	188	ND	700	15.4	47.8	198		
10/05/13	11.70	4,050	436	ND	ND	109	442	ND	1,560	6.9	101	353		
01/25/14	12.17	503	33.5	ND	ND	10.9	40.9	ND	81.5	ND	10.3	40.0		
4/6/2014	11.87	204	20.9	ND	ND	5.68	9.50	ND	34.5	ND	5.51	13.6		
7/13/2014	11.67	165	19.0	ND	ND	4.62	10.1	ND	40.6	ND	2.84	13.4		
10/5/2014	10.79	50.0	3.62	ND	ND	1.93	2.23	ND	21.4	ND	ND	3.79		
1/23/2015	10.94	232	5.77	ND	ND	2.70	3.99	ND	21.1	ND	1.20	8.81		
4/4/2015	10.83	65.0	4.14	ND	ND	6.07	3.40	ND	16.0	ND	ND	ND		
7/25/2015	10.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)												
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes		
MW-5	09/19/01	11.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/22/02	11.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/23/02	10.89	128	1.8	ND	ND	ND	ND	ND	ND	ND	4.2	2.7	4.5	ND
	03/31/03	11.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/17/03	11.98	97	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/26/03	11.53	50	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/03	11.70	ND	1.3	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	ND
	03/12/04	12.02	127	14.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/04	11.75	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/23/04	11.47	73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/05/04	12.00	122	17.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/23/05	14.23	1,540	254	ND	ND	ND	33	8.0	ND	ND	12	3.0	ND	ND
	06/10/05	14.60	120	41.2	ND	ND	2.3	5.2	ND	ND	ND	1.3	ND	ND	ND
	08/12/05	14.40	ND	15.2	ND	ND	1.0	2.9	ND	ND	ND	3.0	1.6	2.0	ND
	11/10/05	13.82	ND	6.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/18/06	13.93	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/10/06	14.58	ND	1.6	ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND	ND
	09/02/06	14.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/25/06	14.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/19/07	14.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/05/07	14.10	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND
	07/28/07	13.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/03/07	13.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/23/08	12.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND
	05/28/08	12.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/16/08	11.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/25/08	11.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/18/09	12.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/09/09	11.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/22/09	11.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/07/09	10.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/20/10	11.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/08/10	12.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/24/10	12.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/09/10	11.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/22/11	13.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/23/11	13.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/11	13.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/22/11	13.33	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/12	13.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/28/12	13.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/18/12	13.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	13.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/08/13	13.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/18/13	13.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/20/13	12.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/05/13	12.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
01/25/14	12.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4/6/2014	12.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
7/12/2014	12.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/5/2014	11.54	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1/23/2015	11.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4/4/2015	11.49	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
7/25/2015	11.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)										
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylenes	m- & p-Xylenes
OnRW-1 (MW-6)	09/19/01	11.29	73.700	4.650	ND	ND	193	804	223	ND	9.230	2.310	5.010
	03/22/02	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/23/02	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/31/03	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/17/03	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/26/03	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/20/03	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/12/04	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/29/04	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/23/04	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/05/04	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/23/05	NR	56.600	7.140	ND	ND	1,000	2,260	456	ND	12.600	1.900	3.880
	06/10/05	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/12/05	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/10/05	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/18/06	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/10/06	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/02/06	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/25/06	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/19/07	NR	76.600	10.200	ND	ND	2,250	ND	ND	ND	22.800	4.720	8.520
	05/05/07	13.93	106.000	11.400	ND	ND	2,840	ND	ND	ND	26.800	5.180	10.500
	07/28/07	13.22	52.600	5.680	ND	ND	1,300	ND	ND	ND	9.540	2.620	5.000
	11/03/07	13.36	51.000	4.240	ND	ND	1,500	ND	ND	ND	5.850	2.370	4.560
	02/23/08	12.79	42.800	2.930	ND	ND	1,000	ND	ND	ND	5.950	1.900	4.040
	05/26/08	11.87	31.900	2.740	ND	ND	695	ND	ND	ND	2.930	1.190	3.420
	08/16/08	11.12	41.900	2.170	ND	ND	740	ND	ND	ND	4.550	1.420	3.450
	10/26/08	10.73	43.000	1.420	ND	ND	850	ND	ND	ND	3.990	1.680	3.880
	02/19/09	12.46	6.870	242	ND	ND	225	ND	ND	ND	706	292	660
	05/09/09	10.81	8.180	490	ND	ND	318	ND	ND	ND	728	311	1,030
	08/22/09	10.22	404.000	1,260	ND	ND	5,500	ND	ND	ND	13,700	12,400	26,700
	11/07/09	9.64	46.000	846	ND	ND	1,160	ND	ND	ND	5.820	2.180	5.770
	02/20/10	10.80	37.700	655	ND	ND	1,570	ND	ND	ND	6.700	3.320	6.400
	05/08/10	12.40	33.700	502	ND	ND	1,650	ND	ND	ND	5.550	3.220	6.330
	07/24/10	--	72.400	496	ND	ND	3,040	ND	ND	ND	8.360	5.880	12,100
	10/09/10	--	41.200	241	ND	ND	1,500	ND	ND	ND	4.170	2.880	5.850
	01/22/11	--	44.000	356	ND	ND	2,320	ND	ND	ND	6.420	4.360	8.980
	04/18/11	--	36.000	147	ND	ND	1,430	ND	ND	ND	3.730	2.540	5.500
	08/08/11	--	11.600	69.6	ND	ND	262	ND	ND	ND	492	1,130	2,300
	10/22/11	--	8.630	67.6	ND	ND	264	ND	ND	ND	386	756	1,480
	02/22/12	--	5.960	50.4	ND	ND	218	ND	ND	ND	280	772	1,330
	05/28/12	--	704	ND	ND	ND	1.91	ND	ND	ND	1.45	55.4	26.1
	08/17/12	--	2350	15.9	ND	ND	93.2	ND	ND	ND	45.8	344	495
10/20/12	--	1,420	ND	ND	ND	45	ND	ND	ND	5	91	266	
02/08/13	--	1530	8.6	ND	ND	173	ND	ND	ND	14.6	240	250	
05/16/13	--	1470	ND	ND	ND	2.28	ND	ND	ND	2.64	61.2	49.2	
07/20/13	--	487	ND	ND	ND	1.83	ND	ND	ND	ND	17.2	16	
10/04/13	--	386	ND	ND	ND	5.90	ND	ND	ND	ND	13.2	29.2	
01/24/14	--	700	1.88	ND	ND	23.1	ND	ND	ND	1.30	15.6	74.3	
4/5/2014	--	293	ND	ND	ND	15.4	ND	ND	ND	ND	4.63	25.5	
7/12/2014	--	153	ND	ND	ND	ND	ND	ND	ND	ND	2.29	10.8	
10/3/2014	--	56.0	2.37	ND	ND	1.83	ND	ND	ND	2.68	2.32	6.31	
1/23/2015	--	693	ND	ND	ND	9.40	ND	ND	ND	51.0	48.2	65.5	
4/4/2015	--	107	9.92	ND	ND	3.49	ND	ND	ND	7.51	10.2	12.3	
7/24/2015	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft. msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
OnRW-2 (MW-7)	09/19/01	11.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/22/02	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/23/02	NR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/31/03	11.72	122,000	11,600	ND	ND	1,680	2,190	ND	ND	19,400	3,030	5,570	
	06/17/03	11.67	112,000	15,900	ND	ND	2,680	3,100	ND	ND	26,800	4,780	8,200	
	09/26/03	11.01	138,000	13,300	ND	ND	ND	2,540	680	ND	26,600	4,360	7,880	
	11/20/03	11.02	136,000	16,600	ND	ND	2,720	3,300	ND	ND	34,400	4,700	7,660	
	03/12/04	11.94	132,000	12,700	ND	ND	2,780	1,980	530	ND	23,200	5,020	8,050	
	06/29/04	12.20	176,000	15,300	ND	ND	2,830	3,630	ND	ND	27,700	5,450	8,000	
	09/23/04	11.60	111,000	22,700	ND	ND	ND	5,000	ND	ND	44,300	9,200	14,700	
	11/05/04	12.68	156,000	21,400	ND	ND	4,650	1,710	ND	ND	42,900	7,900	13,000	
	02/23/05	15.47	81,600	6,940	ND	ND	1,210	2,440	ND	ND	14,000	3,500	5,760	
	06/10/05	14.52	135,000	14,300	ND	ND	2,460	1,170	ND	ND	23,800	5,460	9,760	
	08/13/05	14.93	132,000	12,400	ND	ND	2,640	712	ND	ND	19,900	5,460	8,020	
	11/11/05	13.78	91,200	12,800	ND	ND	3,200	ND	ND	ND	25,200	6,200	9,300	
	02/19/06	14.13	99,600	8,980	ND	ND	2,000	ND	ND	ND	15,800	6,620	8,580	
	06/11/06	14.89	122,000	12,200	ND	ND	2,660	ND	ND	ND	17,800	4,800	7,520	
	09/02/06	14.34	127,000	9,200	ND	ND	2,880	568	ND	ND	16,200	5,240	8,330	
	11/25/06	14.15	162,000	10,600	ND	ND	3,100	ND	ND	ND	17,500	5,140	8,100	
	02/19/07	14.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	05/05/07	13.98	108,000	10,700	ND	ND	3,620	ND	ND	ND	21,800	6,280	10,400	
	07/28/07	13.29	73,200	7,060	ND	ND	1,950	ND	ND	ND	11,200	4,080	6,240	
	11/03/07	13.77	93,000	8,400	ND	ND	3,160	ND	ND	ND	13,900	5,240	8,100	
	02/23/08	12.81	120,000	8,000	ND	ND	3,520	ND	ND	ND	16,800	6,120	9,160	
	05/28/08	11.86	134,000	14,900	ND	ND	3,400	462	ND	ND	24,600	6,640	10,200	
	08/18/08	NM	114,000	3,740	ND	ND	2,400	ND	ND	ND	12,100	4,470	8,120	
	10/26/08	10.57	72,400	1,520	ND	ND	1,040	ND	ND	ND	5,900	2,390	4,470	
	02/18/09	13.17	6,080	63.3	ND	ND	75.2	ND	ND	ND	323	188	372	
	05/09/09	10.60	5,770	77.3	ND	ND	152	ND	ND	ND	238	269	457	
	08/22/09	9.50	521,000	11,700	ND	ND	8,160	ND	ND	ND	43,700	15,100	33,400	
	11/07/09	8.95	158,000	8,450	ND	ND	2,830	ND	ND	ND	24,700	6,500	15,500	
	02/20/10	--	48,400	6,520	ND	ND	1,400	ND	ND	ND	8,310	3,360	5,040	
	05/08/10	--	42,600	5,090	ND	ND	1,730	ND	ND	ND	8,600	3,900	7,600	
	07/24/10	--	60,800	4,700	ND	ND	1,960	ND	ND	ND	6,580	3,740	7,660	
	10/09/10	--	182,000	4,180	ND	ND	1,890	ND	ND	ND	5,810	3,600	6,220	
	01/22/11	--	63,600	4,260	ND	ND	1,930	ND	ND	ND	5,730	3,520	5,680	
	04/18/11	--	73,700	3,170	ND	ND	2,280	ND	ND	ND	3,620	3,110	4,810	
	08/08/11	--	55,500	3,390	ND	ND	2,080	ND	ND	ND	3,570	3,320	4,740	
	10/22/11	--	44,500	4,560	ND	ND	1,180	ND	ND	ND	4,520	2,070	3,120	
	02/22/12	--	45,300	4,760	ND	ND	1,090	349	130	ND	4,670	2,800	4,150	
	05/28/12	--	27,500	5250	ND	ND	247	226	ND	ND	4,050	2,870	4,270	
	08/17/12	--	32,500	5450	ND	ND	758	427	ND	ND	4300	2890	4330	
10/20/12	--	39,200	6,550	ND	ND	1,200	840	ND	ND	6,300	2,940	4,670		
02/08/13	--	26,500	3750	ND	ND	458	100	ND	ND	2850	2370	3810		
05/16/13	--	48,900	3950	ND	ND	264	ND	ND	ND	4000	2290	3550		
07/20/13	--	26,400	5120	ND	ND	2000	ND	ND	ND	2490	1870	3040		
10/04/13	--	25,100	3,450	ND	ND	305	ND	ND	ND	2,940	2,430	3,330		
01/24/14	--	23,700	2,120	ND	ND	126	ND	ND	ND	1,090	1,550	2,210		
4/5/2014	--	13,300	1540	ND	ND	260	ND	ND	ND	900	1240	1790		
7/14/2014	--	8,860	982	ND	ND	191	ND	ND	ND	663	731	1,030		
10/3/2014	--	21,700	2,270	ND	ND	205	ND	ND	ND	2,150	2,140	3,440		
1/23/2015	--	23,600	1,610	ND	ND	ND	ND	ND	ND	1,410	1,300	2,040		
4/4/2015	--	9,520	782	ND	ND	255	ND	ND	129	670	753	1,100		
7/24/2015	--	8,660	1,480	ND	ND	191	ND	ND	ND	859	833	1,190		

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	DIPE	MTBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
MW-8	02/23/05	16.49	56.400	1.780	ND	ND	1.270	ND	ND	ND	ND	9.020	2.840	4.310
	06/09/05	14.83	65.300	2.690	ND	ND	1.970	ND	ND	ND	ND	10.100	3.380	5.110
	08/12/05	15.61	77.300	2.510	ND	ND	2.490	ND	ND	ND	ND	10.900	4.070	5.660
	11/11/05	13.85	66.400	2.970	ND	ND	3.440	ND	ND	ND	ND	15.600	5.480	7.220
	02/18/06	14.12	79.700	2.460	ND	ND	2.810	ND	ND	ND	ND	12.200	6.310	6.640
	06/10/06	14.99	81.800	2.760	ND	ND	2.670	ND	ND	ND	ND	13.300	3.940	6.170
	09/02/06	14.62	93.800	1.730	ND	ND	2.920	ND	ND	ND	ND	11.700	4.270	5.880
	11/25/06	14.24	100.000	1.620	ND	ND	2.620	ND	ND	ND	ND	10.700	3.810	5.220
	02/19/07	14.94	57.700	1.790	ND	ND	3.190	ND	ND	ND	ND	16.800	5.440	6.770
	05/05/07	14.13	81.600	2.010	ND	ND	2.680	ND	ND	ND	ND	15.000	4.470	5.600
	07/28/07	13.67	57.100	1.540	ND	ND	1.940	ND	ND	ND	ND	8.370	3.630	4.820
	11/03/07	14.40	46.000	731	ND	ND	1.650	ND	ND	ND	ND	5.170	2.700	2.980
	02/23/08	13.28	87.600	1.230	ND	ND	3.200	ND	ND	ND	ND	10.200	5.130	5.970
	05/26/08	11.88	74.100	2.420	ND	ND	2.310	ND	ND	ND	ND	10.500	4.370	5.030
	08/16/08	NM	7.140	42.7	ND	ND	121	ND	ND	ND	ND	498	362	319
	10/26/08	10.48	137	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/18/09	15.38	143	1.41	ND	ND	6.81	ND	ND	ND	ND	8.29	12.2	8.16
	05/09/09	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/22/09	--	1,580	57.9	ND	ND	41.8	ND	ND	ND	ND	164	55.2	ND
	11/07/09	--	1,020	361	ND	ND	8.80	ND	ND	ND	ND	6.75	ND	ND
	02/20/10	--	3,500	320	ND	ND	402.00	ND	ND	ND	ND	217	209	222
	05/08/10	--	4,110	210	ND	ND	329	ND	ND	ND	ND	65.4	255	505
	07/24/10	--	2,500	160	ND	ND	261	ND	ND	ND	ND	44.6	132	269
	10/09/10	--	1,970	262	ND	ND	57.5	ND	ND	ND	ND	9.30	26.8	30.6
	01/22/11	--	5,940	172	ND	ND	314.0	ND	ND	ND	ND	204	149	311
	04/23/11	13.34	2,960	91.9	ND	ND	259	ND	ND	ND	ND	39.0	98.0	269
	08/07/11	13.09	2,160	198.0	ND	ND	216	ND	ND	ND	ND	39.8	129	190
	10/22/11	11.88	2,470	267	ND	ND	187	ND	ND	ND	ND	39.7	185	213
	02/21/12	12.41	1,200	151	ND	ND	128	ND	ND	ND	ND	7.37	15.4	92.9
	05/28/12	12.12	697	55	ND	ND	42	ND	ND	ND	ND	2.3	1	19
	08/18/12	11.63	1740	167	ND	ND	129	ND	ND	ND	ND	22.2	97.9	157
	10/20/12	11.22	1,040	96	ND	ND	81	ND	ND	ND	ND	10.1	32	91
	02/09/13	12.12	813	74.1	ND	ND	107	ND	ND	ND	ND	17.9	1.43	50.3
	05/18/13	12.14	1280	98.7	ND	ND	119	ND	ND	ND	ND	7.35	9.32	45.9
	07/21/13	10.93	490	67.2	ND	ND	36.6	ND	ND	ND	ND	6.83	14.5	37.8
	10/05/13	10.43	1,070	123.0	ND	ND	70.9	11.5	ND	ND	ND	10.1	12.50	82.9
	1/25/2014	11.21	493	42.2	ND	ND	41.1	ND	ND	ND	ND	2.15	ND	23.2
	4/5/2014	11.20	185	9.10	ND	ND	4.85	4.75	ND	9.35J	ND	ND	ND	2.43
	7/14/2014	11.28	144	12.7	ND	ND	4.39	4.11	ND	ND	5.65J	ND	ND	1.50J
	10/5/2014	9.74	981	158	ND	ND	6.79	ND	ND	ND	ND	10.3	2.60	13.9
1/23/2015	10.37	190	25.6	ND	ND	9.33	ND	ND	ND	ND	ND	ND	2.26	
4/4/2015	10.32	185	16.4	ND	ND	3.01	13.1	ND	ND	17.3	ND	ND	ND	
7/25/2015	9.33	121	24.9	ND	ND	3.90	28.0	ND	ND	26.1	1.12	ND	2.23	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)												
			TPH as Gasoline (C4-C12)	Benzene	D1PE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	o-Xylene	m- & p-Xylenes		
MW-9	02/23/05	17.20	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND
	06/10/05	14.69	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/13/05	14.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/11/05	14.22	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/19/06	14.24	78	4.3	ND	ND	1.8	ND	ND	ND	ND	8.3	4.8	6.3	6.3
	06/11/06	14.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND
	09/02/06	14.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/25/06	14.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/19/07	14.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/05/07	14.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/28/07	13.54	ND	ND	ND	ND	ND	22.5	ND	ND	ND	1.2	ND	ND	ND
	11/03/07	13.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	1.9	2.5	2.5
	02/23/08	13.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/26/08	12.39	ND	1.17	ND	ND	1.10	ND	ND	ND	ND	5.74	1.92	4.49	4.49
	08/16/08	11.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/25/08	11.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/18/09	12.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/09/09	11.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/22/09	11.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/07/09	10.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/20/10	12.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/08/10	12.47	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/24/10	10.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/09/10	12.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/22/11	13.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/23/11	13.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/11	13.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/22/11	13.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/12	13.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.21	2.38	2.38	2.38
	05/28/12	13.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/18/12	12.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	12.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/08/13	13.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/18/13	12.99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/20/13	12.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/05/13	12.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
01/25/14	12.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4/5/2014	12.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
7/12/2014	12.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/5/2014	11.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1/23/2015	11.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4/4/2015	11.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
7/25/2015	11.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
OnRW-3 (MW-10)	02/23/05	18.71	47,000	275	ND	ND	1,590	ND	ND	ND	ND	4,930	2,550	4,570
	06/09/05	14.92	59,100	5,260	ND	ND	1,710	ND	ND	ND	ND	5,260	2,710	4,990
	08/13/05	15.43	51,000	274	ND	ND	1,590	ND	ND	ND	ND	3,570	2,290	3,690
	11/11/05	14.67	42,500	294	ND	ND	2,220	ND	ND	ND	ND	4,570	3,000	4,810
	02/19/06	14.82	34,200	95	ND	ND	988	ND	ND	ND	ND	1,670	1,800	2,720
	06/11/06	15.78	35,900	150	ND	ND	1,020	ND	ND	ND	ND	2,010	1,180	1,950
	09/02/06	14.82	39,300	116	ND	ND	1,290	ND	ND	ND	ND	2,180	1,490	2,230
	11/25/06	14.43	48,800	141	ND	ND	1,450	ND	ND	ND	ND	2,180	1,750	2,600
	02/19/07	14.84	20,400	59.4	ND	ND	965	ND	ND	ND	ND	1,370	1,210	2,020
	05/05/07	14.10	30,500	105	ND	ND	1,270	ND	ND	ND	ND	2,000	1,590	2,760
	07/28/07	13.41	45,100	217	ND	ND	1,580	ND	ND	ND	ND	2,880	1,970	2,960
	11/03/07	14.24	35,600	103	ND	ND	1,290	ND	ND	ND	ND	1,660	1,410	2,200
	02/23/08	13.48	61,500	174	ND	ND	2,400	ND	ND	ND	ND	3,320	2,680	4,160
	05/26/08	11.96	52,800	302	ND	ND	1,580	ND	ND	ND	ND	1,930	1,940	2,760
	08/16/08	10.65	57,200	744	ND	ND	1,930	ND	ND	ND	ND	2,480	2,060	2,880
	10/25/08	10.14	71,400	1,790	ND	ND	2,230	ND	ND	ND	ND	1,960	2,530	3,900
	02/18/09	13.96	28,300	321	ND	ND	1,400	ND	ND	ND	ND	1,330	1,620	1,310
	05/09/09	10.24	12,100	277	ND	ND	984	ND	ND	ND	ND	221	572	310
	08/22/09	9.96	38,800	2,020	ND	ND	2,220	ND	ND	ND	ND	754	1,080	1,620
	11/07/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/20/10	--	29,100	916	ND	ND	2880	ND	ND	ND	ND	1380	2080	3020
	05/08/10	--	29,000	462	ND	ND	1,790	ND	ND	ND	ND	634	1,570	3,150
	07/24/10	--	42,500	1,060	ND	ND	2,280	ND	ND	ND	ND	484	1,450	2,960
	10/09/10	--	29,400	1,290	ND	ND	1,800	ND	ND	ND	ND	310	954	1,520
	01/22/11	--	25,200	314	ND	ND	1,870	ND	ND	ND	ND	274	1,070	1,270
	04/18/11	--	24,300	216	ND	ND	1,660	ND	ND	ND	ND	372	694	1,190
	08/08/11	--	19,100	ND	ND	ND	688	ND	ND	ND	ND	296	384	844
	10/22/11	--	15,000	533	ND	ND	696	ND	ND	ND	ND	692	553	1,000
	02/22/12	--	14,900	520	ND	ND	660	ND	ND	ND	ND	744	580	1,030
	05/28/12	--	6,580	464	ND	ND	396	ND	ND	ND	ND	626	540	870
	08/17/12	--	8890	512	ND	ND	552	ND	ND	ND	ND	554	412	822
	10/20/12	--	4,830	421	ND	ND	349	ND	ND	ND	ND	224	192	497
	02/08/13	--	8440	480	ND	ND	680	ND	ND	ND	ND	540	572	962
	05/16/13	--	10400	289	ND	ND	374	ND	ND	ND	ND	360	313	604
	07/21/13	--	1190	16.1	ND	ND	ND	ND	ND	ND	ND	1.81	119	132
	10/05/13	--	7,440	1,300	ND	ND	132	ND	ND	ND	ND	936	744	904
	01/24/14	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/5/2014	--	636	1.20	ND	ND	14.7	ND	ND	ND	ND	ND	1.99	7.03
	7/14/2014	--	744	ND	ND	ND	12.7	ND	ND	ND	ND	ND	1.30	5.65
	10/3/2014	--	467	3.41	ND	ND	3.37	ND	ND	ND	ND	ND	ND	2.83
1/23/2015	--	305	ND	ND	ND	5.46	ND	ND	ND	ND	ND	ND	2.63	
4/4/2015	--	234	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7/24/2015	--	772	4.90	ND	ND	7.95	ND	ND	ND	ND	1.99	ND	4.99	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft. msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
MW-11	02/23/05	18.39	ND	3.5	ND	ND	ND	ND	ND	ND	ND	4.3	2.0	ND
	06/09/05	14.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/13/05	15.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/11/05	14.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/19/06	14.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/11/06	15.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/02/06	14.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/25/06	14.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/19/07	14.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/05/07	13.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/28/07	13.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/03/07	13.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/23/08	13.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	2.0
	05/26/08	12.14	50.0	ND	ND	ND	ND	2.42	ND	ND	ND	4.65	2.86	5.68
	08/16/08	11.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/25/08	10.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/18/09	13.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/09/09	10.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/22/09	10.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/07/09	11.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/20/10	12.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/08/10	11.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/24/10	11.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/09/10	12.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/22/11	13.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/23/11	13.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/11	12.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/22/11	12.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/12	12.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/28/12	12.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/18/12	12.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	12.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/09/13	13.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/18/13	12.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/20/13	11.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/05/13	12.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/25/2014	11.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/6/2014	12.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/12/2014	11.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/5/2014	10.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/23/2015	11.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4/4/2015	11.33	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
7/29/2015	10.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)										
			TPH as Gasoline (C4-C12)	Benzene	DIPE	MTBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes
MW-12	11/10/05	13.69	11,500	644	ND	ND	88	638	58	ND	504	980	1,500
	02/18/06	13.83	5,560	496	ND	ND	188	590	65	ND	130	373	565
	06/10/06	14.54	16,200	1,750	ND	ND	488	1,910	176	1,100	447	613	1,420
	09/02/06	14.26	43,200	3,360	ND	ND	1,240	3,990	350	ND	617	1,340	3,380
	11/25/06	13.98	34,200	2,860	ND	ND	890	4,560	318	ND	332	904	2,320
	02/19/07	14.30	21,000	1,760	ND	ND	524	7,730	436	1,400	294	577	1,490
	05/05/07	13.99	16,100	2,000	ND	ND	712	5,260	340	ND	298	716	1,870
	07/28/07	13.50	9,320	590	ND	ND	146	4,280	ND	ND	46	79	250
	11/03/07	13.25	12,700	1,470	ND	ND	472	4,720	302	ND	119	448	880
	02/23/08	12.74	22,600	1,150	ND	83	478	8,240	ND	ND	95	480	886
	05/26/08	11.93	12,000	219	ND	ND	122	9,760	724	278	20.4	105	258
	08/16/08	11.49	27,700	228	ND	ND	119	14,300	860	ND	ND	124	372
	10/25/08	11.02	17,500	84.5	ND	ND	ND	8,500	346	5,300	ND	61.0	105
	02/19/08	11.87	16,900	ND	ND	ND	ND	10,400	ND	325	ND	ND	ND
	05/09/09	11.10	13,400	22.2	ND	ND	ND	8,000	354	ND	ND	ND	ND
	08/22/09	10.60	7,940	ND	ND	ND	ND	4,580	181	ND	39.2	ND	44.8
	11/07/09	10.12	3,020	ND	ND	ND	ND	2,960	ND	ND	ND	ND	ND
	02/20/10	12.10	4,320	ND	ND	ND	ND	2,180	ND	920	ND	ND	ND
	05/08/10	12.29	2,480	ND	ND	ND	14.1	1,750	57.9	ND	ND	ND	ND
	07/24/10	11.45	1,330	ND	ND	ND	ND	669	43.6	367	ND	ND	ND
	10/09/10	11.28	1,360	ND	ND	ND	ND	550	26.3	396	ND	ND	ND
	01/22/11	13.63	1,220	ND	ND	5.36	2.67	229	11.2	705	ND	ND	ND
	04/23/11	13.73	233	ND	ND	4.67	2.45	182	8.83	859	ND	ND	2.00
	08/07/11	13.04	600	ND	ND	4.57	1.45	173	9.74	372	ND	ND	ND
	10/22/11	13.01	717	ND	ND	2.24	ND	174	8.23	289	ND	ND	ND
	02/21/12	13.15	655	ND	ND	3.13	ND	102	ND	155	ND	ND	ND
	05/28/12	13.39	379	15	ND	ND	5	125	5.34	101	ND	8	13
	08/18/12	13.09	214	ND	ND	ND	ND	109	4.99	41.3	ND	ND	ND
	10/20/12	13.04	171	1	ND	ND	ND	39	ND	40	ND	ND	ND
	02/09/13	13.34	103	ND	ND	2.43	ND	50.3	4.74	76.7	ND	ND	ND
	05/18/13	12.96	65	ND	ND	ND	ND	35.3	ND	13.8	ND	ND	ND
	07/21/13	12.44	117	ND	ND	ND	ND	42.6	ND	26.3	ND	ND	ND
	10/05/13	12.04	102	ND	ND	ND	ND	63.5	ND	ND	ND	ND	ND
	01/25/14	12.18	55.2	ND	ND	ND	ND	35.7	ND	12.6	ND	ND	ND
	4/6/2014	12.07	ND	ND	ND	ND	ND	16.7	ND	ND	ND	ND	ND
	7/13/2014	11.28	ND	ND	ND	ND	ND	8.65	ND	ND	ND	ND	ND
	10/5/2014	11.06	ND	ND	ND	ND	ND	5.62	ND	ND	ND	ND	ND
	1/23/2015	11.09	ND	ND	ND	ND	ND	16.9	ND	ND	ND	ND	ND
	4/4/2015	11.00	ND	ND	ND	ND	ND	6.68	ND	ND	ND	ND	ND
	7/25/2015	10.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft. msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	DIPE	MTBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
MW-13	11/10/05	13.45	16,600	2,530	ND	ND	1,270	ND	ND	ND	ND	90	ND	140
	02/18/06	13.68	19,100	2,010	ND	ND	802	ND	ND	ND	ND	94	60	165
	06/10/06	14.57	35,700	3,790	ND	ND	1,310	ND	ND	ND	ND	134	ND	117
	09/02/06	14.34	30,000	2,730	ND	ND	1,510	ND	ND	ND	ND	81	ND	129
	11/25/06	13.89	28,100	3,740	ND	ND	1,370	ND	ND	ND	ND	76	35	151
	02/19/07	14.54	18,000	3,460	ND	ND	1,520	ND	ND	ND	ND	78	ND	120
	05/05/07	13.94	21,400	3,560	ND	ND	1,320	ND	ND	ND	ND	121	56	155
	07/28/07	13.55	21,400	3,060	ND	ND	920	ND	ND	ND	ND	51	20	105
	11/05/07	13.59	25,800	2,380	ND	ND	1,410	ND	ND	ND	ND	70	23	234
	02/23/08	12.78	34,600	2,940	ND	ND	2,020	ND	ND	ND	ND	118	38	312
	05/26/08	11.53	22,800	3,560	ND	ND	458	ND	ND	ND	ND	322	310	308
	08/16/08	10.67	19,300	2,220	ND	ND	400	ND	ND	ND	ND	318	154	214
	10/25/08	10.05	12,500	2,120	ND	ND	83.8	ND	ND	ND	ND	548	220	131
	02/18/09	12.17	12,400	2,410	ND	ND	530	ND	ND	ND	ND	252	ND	ND
	05/09/09	10.26	7,780	2,740	ND	ND	142	ND	ND	ND	ND	312	60.2	50.6
	08/22/09	9.64	4,320	1,700	ND	ND	33.2	ND	ND	ND	ND	348	70.8	ND
	11/07/09	9.48	5,060	2,300	ND	ND	ND	73.2	ND	ND	ND	240	36.4	ND
	02/20/10	11.52	12,900	3,960	ND	ND	946	ND	ND	ND	ND	312	61.4	90.0
	05/08/10	11.97	10,800	2,260	ND	ND	664	ND	ND	ND	ND	214	69.8	139
	07/24/10	10.39	3,980	1,560	ND	ND	118	180	ND	ND	ND	112	101	200
	10/09/10	10.69	2,390	896	ND	ND	18.0	206	ND	ND	179	17.5	21.4	24.5
	01/22/11	13.69	17,600	2,420	ND	ND	864	ND	ND	ND	ND	56.2	26.8	62.2
	04/23/11	13.42	11,800	1,920	ND	ND	512	61.0	ND	ND	ND	55.8	23.6	81.0
	08/07/11	12.22	3,950	862	ND	ND	61.6	ND	ND	ND	ND	24.6	ND	59.2
	10/22/11	12.23	4,650	521	ND	23.20	28.7	133	ND	1,330	ND	ND	ND	51.6
	02/21/12	12.75	2,140	176	ND	32.4	21.8	117	6.08	773	3.27	4.35	41.4	41.4
	05/28/12	12.79	6,010	1,250	ND	48.2	111.0	391	ND	2,230	21	ND	98.6	98.6
	08/18/12	12.30	3,980	860	ND	ND	144	ND	ND	1,710	ND	ND	238	238
	10/20/12	12.27	1,690	291	ND	22.6	58.0	66	ND	929	5	6	128.0	128.0
	02/09/13	13.12	5,070	412	ND	46.3	55.2	160	20.8	1,370	7.2	5	24.5	24.5
	05/18/13	12.52	1,610	201	ND	20.5	8.5	76	ND	483	ND	ND	11.9	11.9
	07/21/13	11.41	2,530	307	ND	18.8	62	36.4	ND	1,060	7.7	6.1	80.9	80.9
10/05/13	10.94	1,040	179	ND	33.4	23.9	24	ND	1,310	3.1	1.1	68.5	68.5	
01/25/14	11.53	1,090	37.8	ND	36.8	3.95	35.7	3.21	561	ND	ND	7.15	7.15	
4/6/2014	11.37	1,050	140	ND	27.6	12.9	21.5	ND	787	3.66	ND	15.8	15.8	
7/13/2014	11.34	2,120	140	ND	16.1	6.59	46.1	ND	909	3.22	ND	6.08	6.08	
10/3/2014	10.00	574	43.4	ND	25.6	4.16	8.62	ND	277	1.68	ND	12.0	12.0	
1/23/2015	10.27	880	51.3	ND	30.4	8.60	10.9	ND	636	1.17	ND	8.31	8.31	
4/4/2015	10.27	548	25.8	ND	17.6	1.79	3.51	ND	269	ND	ND	2.05	2.05	
7/25/2015	9.54	136	18.4	ND	4.94	ND	ND	ND	76.0	ND	ND	ND	ND	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)										
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes
OnRW-4 (MW-14)	11/10/05	14.23	10,200	ND	ND	ND	122	ND	ND	ND	ND	ND	95
	02/19/06	14.43	9,900	8.0	ND	ND	98	ND	ND	ND	ND	40	153
	06/11/06	15.44	15,000	ND	ND	ND	74	ND	ND	ND	ND	ND	60
	09/02/06	15.05	11,800	ND	ND	ND	63	ND	ND	ND	ND	ND	53
	11/25/06	14.52	17,500	ND	ND	ND	117	ND	ND	ND	11.0	ND	ND
	02/19/07	15.46	8,040	3.1	ND	ND	78.1	ND	ND	ND	3.3	6.1	63.6
	05/05/07	14.37	8,570	8.6	ND	ND	77	ND	ND	ND	23	11	70
	07/28/07	14.45	9,350	ND	ND	ND	15	ND	ND	ND	ND	ND	30
	11/04/07	15.44	10,400	ND	ND	ND	74	ND	ND	ND	ND	ND	51
	02/23/08	14.73	6,260	ND	ND	ND	18.1	ND	ND	ND	1.5	3.3	33.5
	05/26/08	13.64	10,300	ND	ND	ND	35.8	ND	ND	ND	ND	ND	24.8
	08/16/08	10.23	8,600	ND	ND	ND	39.8	ND	ND	ND	2.68	5.64	20.3
	10/25/08	10.37	11,400	ND	ND	ND	47.4	ND	ND	ND	4.42	8.94	32.4
	02/18/09	15.17	4,850	ND	ND	ND	26.8	ND	ND	ND	ND	2.02	14.9
	05/09/09	10.16	2,410	1.23	ND	ND	5.00	ND	ND	ND	1.51	6.20	4.58
	08/22/09	9.95	2,700	1.75	ND	ND	16.5	ND	ND	ND	1.32	2.13	5.87
	11/07/09	9.21	1,270	1.97	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/20/10	14.15	2,310	ND	ND	ND	19.8	ND	ND	ND	ND	1.72	8.55
	05/08/10	12.48	1,670	ND	ND	ND	6.91	ND	ND	ND	ND	ND	ND
	07/24/10	--	405	ND	ND	ND	1.51	ND	ND	ND	4.04	ND	ND
	10/09/10	--	1,480	ND	ND	ND	7.87	ND	ND	ND	ND	ND	2.57
	01/22/11	--	931	ND	ND	ND	5.91	ND	ND	ND	ND	ND	ND
	04/18/11	--	399	ND	ND	ND	2.11	ND	ND	ND	ND	ND	ND
	08/08/11	--	286	ND	ND	ND	2.90	ND	ND	ND	ND	ND	ND
	10/22/11	--	132	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/22/12	--	ND	ND	ND	ND	2.91	ND	ND	ND	ND	ND	ND
	05/28/12	--	551	ND	ND	ND	4.30	ND	ND	ND	ND	ND	3.7
	08/17/12	--	458	1.73	ND	ND	2.84	ND	ND	ND	ND	ND	2.53
	10/20/12	--	485	3	ND	ND	2	ND	ND	ND	ND	ND	ND
	02/08/13	--	1070	1.18	ND	ND	23.8	ND	ND	ND	1.03	2.47	13.1
	05/16/13	--	1330	1.02	ND	ND	13	ND	ND	ND	1.15	ND	5.94
	07/20/13	--	1360	5.06	ND	ND	7.32	ND	ND	ND	4.33	1.04	9.39
	10/04/13	--	92.2	3.04	ND	ND	ND	ND	ND	ND	ND	2.5	17.2
	01/24/14	--	1,020	4.62	ND	ND	4.78	ND	ND	ND	2.18	1.76	6.34
	4/5/2014	--	882	4.50	ND	ND	5.53	ND	ND	ND	2.55	2.12	4.90
	7/14/2014	--	867	3.46	ND	ND	7.78	ND	ND	ND	2.11	1.20	4.08
	10/3/2014	--	887	4.02	ND	ND	8.35	ND	ND	ND	2.44	ND	4.96
	1/23/2015	--	822	8.18	ND	ND	6.88	ND	ND	ND	4.33	ND	9.45
	4/4/2015	--	1,060	11.8	ND	ND	3.36	ND	ND	ND	2.79	ND	5.32
	7/24/2015	--	1680	9.98	ND	ND	13.0	ND	ND	ND	8.85	1.28	19.3

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
MW-15	11/10/05	15.11	173	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/19/06	14.90	113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/11/06	15.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/02/06	15.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/25/06	14.62	141	ND	ND	ND	ND	ND	ND	ND	ND	3.2	1.4	2.5
	02/19/07	16.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/05/07	14.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/28/07	15.32	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/04/07	19.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/23/08	16.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	1.4	ND
	05/26/08	15.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/17/08	9.50	132	1.56	ND	ND	1.89	ND	ND	ND	ND	3.74	3.39	5.38
	10/26/08	8.89	67.0	ND	ND	ND	1.00	ND	ND	ND	ND	ND	3.16	ND
	02/19/09	17.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/10/09	9.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/22/09	9.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/07/09	8.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/20/10	15.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/08/10	13.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/24/10	8.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/09/10	15.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/22/11	14.92	ND	ND	ND	ND	1.11	ND	ND	ND	1.50	1.67	3.27	NS
	04/23/11	13.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/11	11.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/22/11	11.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/12	13.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/28/12	11.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/18/12	10.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	12.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/09/13	15.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/18/13	13.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/21/13	9.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/13	9.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
01/25/14	12.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4/6/2014	13.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
7/12/2014	15.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/5/2014	8.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1/23/2015	10.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4/4/2015	11.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
7/25/2015	8.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft. msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
MW-16	05/05/07	13.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/28/07	13.07	ND	2.2	ND	ND	ND	ND	2.4	ND	ND	ND	4.6	ND
	11/03/07	12.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/23/08	12.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/26/08	11.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/17/08	10.97	ND	1.28	ND	ND	ND	ND	ND	ND	ND	1.15	ND	ND
	10/25/08	10.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/18/09	10.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/09/09	10.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/22/09	9.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/07/09	9.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/20/10	16.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/08/10	11.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/24/10	11.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/09/10	10.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/22/11	13.02	ND	ND	ND	ND	1.07	ND	ND	ND	ND	2.05	1.95	3.93
	04/23/11	13.30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/11	12.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/22/11	12.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/12	12.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.00	1.70	3.32
	05/28/12	13.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/18/12	12.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	12.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/09/13	13.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/18/13	12.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/20/13	12.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/05/13	11.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/25/2014	11.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/6/2014	11.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/12/2014	11.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/5/2014	10.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/23/2015	10.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4/4/2015	10.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
7/25/2015	10.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)														
Sample ID	Date	Groundwater Elevation (ft- msl)	TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
MW-17	05/05/07	12.43	2,590	52.0	ND	ND	4.5	ND	ND	ND	ND	6.1	196.0	
	07/28/07	11.60	715	8.6	ND	ND	13.5	ND	ND	ND	ND	1.1	4.2	
	11/03/07	10.94	625	7.5	ND	ND	11.7	ND	ND	ND	ND	1.2	5.9	
	02/23/08	10.30	192	6.0	ND	ND	3.3	ND	ND	ND	ND	ND	5.0	
	05/26/08	9.27	301	4.95	ND	ND	1.86	ND	ND	ND	ND	ND	ND	
	08/17/08	8.35	479	10.9	ND	ND	8.85	ND	ND	ND	ND	ND	ND	
	10/26/08	7.66	720	6.40	ND	ND	4.80	ND	ND	ND	ND	ND	ND	
	02/19/09	9.42	493	6.14	ND	ND	5.71	ND	ND	ND	ND	ND	3.81	
	05/09/09	7.83	139	2.72	ND	ND	ND	ND	ND	ND	ND	ND	2.27	
	08/22/09	7.10	251	3.37	ND	ND	4.62	ND	ND	ND	ND	ND	ND	
	11/07/09	6.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	02/20/10	9.67	138	1.09	ND	ND	ND	32.1	ND	ND	ND	ND	NS	
	05/08/10	9.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	07/24/10	8.09	430	6.68	ND	ND	ND	12.3	27.5	ND	ND	ND	ND	
	10/09/10	8.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	01/22/11	11.33	703	11.5	ND	ND	ND	22.2	51.8	2.33	36.7	1.60	2.04	3.82
	04/23/11	11.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/11	10.69	1,360	8.60	ND	ND	ND	13.4	71.0	ND	ND	ND	ND	9.25
	10/22/11	10.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/12	11.30	141	2.80	ND	ND	ND	2.63	14.4	ND	22.3	ND	1.78	5.60
	05/28/12	10.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/18/12	11.01	1110	16.5	ND	ND	ND	35.2	111	5.91	50.4	ND	1.76	41.6
	10/20/12	10.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/09/13	11.73	449	3.26	ND	ND	6.86	5.34	55	5.75	110	ND	ND	6.83
	05/18/13	11.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/21/13	9.92	349	1.16	NS	2.79	2.89	78.50	2.82	ND	ND	ND	ND	3.57
	10/05/13	9.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/25/14	9.79	391	1.06	ND	10.5	5.80	89.5	5.36	58.5	ND	ND	ND	7.75
	4/6/2014	9.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/12/2014	9.19	476	6.95	ND	ND	4.23	28.5	ND	ND	ND	ND	ND	5.31
	10/5/2014	8.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/23/2015	8.18	322	3.59	ND	6.35	ND	50.5	2.14	46.9	ND	ND	ND	ND
4/4/2015	8.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
7/25/2015	7.65	141	1.03	ND	3.66	ND	31.9	ND	16.9	ND	ND	ND	ND	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

		BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
Sample ID	Date	Groundwater Elevation (ft- msl)	TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes
MW-18	05/05/07	9.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/28/07	8.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	2.5
	11/03/07	6.40	87	7.6	ND	ND	3.5	ND	ND	ND	14.9	3.9	8.0
	02/23/08	6.57	326	45.2	ND	ND	15.4	ND	ND	ND	60.9	16.1	33
	05/26/08	5.89	ND	ND	ND	ND	ND	ND	ND	ND	1.01	ND	ND
	08/17/08	4.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/26/08	3.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/19/09	6.25	ND	ND	ND	ND	1.14	ND	ND	ND	2.68	1.73	3.58
	05/10/09	3.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/22/09	3.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/07/09	2.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/20/10	5.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.18	2.00
	05/08/10	4.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.18	2.00
	07/24/10	4.33	55.0	1.49	ND	ND	3.32	ND	ND	ND	4.60	4.78	9.55
	10/09/10	5.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/22/11	7.34	136	3.19	ND	ND	6.42	ND	ND	ND	12.8	9.86	20.4
	04/23/11	7.38	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/07/11	7.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/22/11	8.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/12	8.70	ND	ND	ND	ND	ND	ND	ND	ND	1.09	2.44	5.15
	05/28/12	8.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/18/12	9.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	9.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/09/13	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/18/13	8.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/21/13	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/05/13	6.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/25/14	6.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/6/2014	6.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/11/2014	5.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/5/2014	4.60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/23/2015	4.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/4/2015	5.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
7/25/2015	4.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	DIPE	MTBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
OffRW-3 (MW-19)	05/05/07	10.39	69,200	6800	ND	ND	2460	ND	ND	ND	ND	11,500	3,030	6,960
	07/28/07	9.04	69,000	6,090	ND	ND	2,030	277	ND	ND	ND	8,320	2,000	4,310
	11/03/07	7.97	74,100	7,200	ND	ND	2,450	ND	ND	ND	ND	8,900	2,300	4,860
	02/23/08	7.62	107,000	8,600	ND	ND	3,120	ND	ND	ND	ND	15,100	2,920	6,540
	05/26/08	6.91	102,000	7,300	ND	ND	2,250	ND	ND	ND	ND	11,100	2,590	5,500
	08/16/08	6.04	149,000	10,400	ND	ND	3,370	ND	ND	ND	ND	16,300	3,900	7,840
	10/25/08	5.23	139,000	8,700	ND	ND	3,240	ND	ND	ND	ND	10,600	4,590	10,200
	02/18/09	6.02	108,000	5,680	ND	ND	1,970	ND	ND	ND	ND	16,500	5,400	12,800
	05/09/09	5.13	69,000	6,100	ND	ND	2,090	ND	ND	ND	ND	9,880	3,290	7,410
	08/21/09	4.56	99,200	5,060	ND	ND	2,170	ND	ND	ND	ND	7,600	4,220	9,180
	11/07/09	4.31	79,300	3,140	ND	ND	318	ND	ND	ND	ND	7,280	5,210	10,900
	02/19/10	5.79	72,400	9,380	ND	ND	2,030	ND	ND	ND	ND	12,800	4,490	7,730
	05/07/10	5.94	49,900	5,450	ND	ND	1,940	ND	ND	ND	ND	9,830	3,510	7,000
	07/23/10	5.58	60,600	5,700	ND	ND	2,940	ND	ND	ND	ND	10,600	4,540	9,290
	10/08/10	5.78	66,500	4,550	ND	ND	2,300	ND	ND	ND	ND	8,520	3,510	7,480
	01/21/11	8.35	75,400	5,850	ND	ND	3,430	ND	ND	ND	ND	13,200	5,340	11,000
	08/08/11	--	--	34,800	2,170	ND	ND	1,360	ND	ND	ND	2,960	1,800	3,420
	10/21/11	--	--	20,800	1,120	ND	ND	528	ND	ND	ND	1,330	788	1,440
	02/22/12	--	--	11,800	768	ND	ND	381	ND	ND	ND	763	483	888
	05/29/12	--	--	8,550	1030	ND	ND	590	ND	ND	ND	1330	590	1060
	08/17/12	--	--	11400	1120	ND	ND	646	ND	ND	ND	1110	673	1240
	10/20/12	--	--	8,090	872	ND	ND	322	ND	ND	ND	518	363	574
	02/08/13	--	--	6790	887	ND	ND	426	ND	ND	ND	717	440	820
	05/16/13	--	--	13000	800	ND	ND	524	ND	ND	ND	700	492	834
	07/20/13	--	--	4930	357	ND	ND	135	ND	ND	ND	340	254	407
	10/04/13	--	--	7,090	498	ND	ND	420	ND	ND	ND	554	389	613
	01/24/14	--	--	6,240	446	ND	ND	253	ND	ND	ND	267	331	406
	4/6/2014	--	--	2,790	184	ND	ND	35.9	ND	ND	ND	96.5	255	309
	7/12/2014	--	--	1,430	84.4	ND	ND	12.0	ND	ND	ND	37.2	98.2	116
	10/3/2014	--	--	2,720	107	ND	ND	20.3	ND	ND	ND	59.3	139	217
	1/23/2015	--	--	6,640	505	ND	ND	126	ND	ND	ND	595	260	353
	4/4/2015	--	--	24,800	1,250	ND	ND	932	ND	ND	ND	2,120	1,080	1,980
7/24/2015	--	--	4,170	373	ND	ND	225	ND	ND	ND	590	317	515	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft. msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)												
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes		
MW-20	08/16/08	9.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/25/08	8.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/18/09	10.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/09/09	8.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/21/09	8.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/07/09	7.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/19/10	9.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/07/10	9.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/23/10	8.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/08/10	9.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/21/11	11.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/23/11	11.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/08/11	11.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/21/11	11.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/21/12	10.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/29/12	11.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/17/12	11.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	11.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/08/13	11.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/16/13	8.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/20/13	10.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/04/13	9.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/14	10.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/5/2014	10.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/12/2014	9.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/3/2014	8.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1/23/2015	9.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4/4/2015	9.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7/24/2015	8.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-21	08/16/08	6.24	70.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/25/08	5.73	110	1.20	ND	ND	1.61	ND	ND	ND	ND	4.60	1.68	3.47	ND
	02/18/09	6.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/09/09	5.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/21/09	4.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/07/09	4.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/19/10	5.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/07/10	6.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/23/10	5.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/08/10	6.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/21/11	7.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/23/11	8.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/08/11	8.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/21/11	8.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/21/12	8.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/29/12	8.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/17/12	8.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	8.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/08/13	8.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/16/13	8.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/20/13	7.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/04/13	7.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/14	7.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/5/2014	7.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/12/2014	6.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/3/2014	6.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1/23/2015	5.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4/3/2015	6.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7/24/2015	5.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)												
			TPH as Gasoline (C4-C12)	Benzene	DIPE	MTBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes		
OffRW-5 (MW-22)	08/16/08	5.59	1,140	1.13	ND	ND	19.6	ND	ND	ND	ND	ND	ND	ND	
	10/25/08	5.12	765	1.87	ND	ND	1.68	ND	ND	ND	ND	4.05	5.35	14.2	
	02/18/09	5.25	725	ND	ND	ND	10.2	ND	ND	ND	ND	ND	ND	ND	
	05/09/09	4.86	255	ND	ND	ND	5.35	ND	ND	ND	ND	ND	ND	ND	
	08/21/09	4.20	238	ND	ND	ND	4.04	ND	ND	ND	ND	ND	ND	ND	
	11/07/09	3.90	185	ND	ND	ND	3.00	ND	ND	ND	ND	ND	ND	ND	
	02/19/10	4.95	120	ND	ND	ND	4.11	ND	ND	ND	ND	ND	ND	ND	
	05/07/10	5.33	135	ND	ND	ND	3.77	ND	ND	ND	ND	ND	ND	ND	
	07/23/10	5.23	171	ND	ND	ND	6.42	ND	ND	ND	ND	ND	ND	ND	
	10/08/10	5.09	200	ND	ND	ND	5.16	ND	ND	ND	ND	ND	ND	4.21	
	01/21/11	7.08	458	ND	ND	ND	8.10	ND	ND	ND	ND	ND	ND	ND	
	04/18/11	--	124	ND	ND	ND	2.04	ND	ND	ND	ND	ND	ND	ND	
	08/08/11	--	70.5	ND	ND	ND	2.79	ND	ND	ND	ND	ND	ND	ND	
	10/21/11	--	ND	ND	ND	ND	1.46	ND	ND	ND	ND	ND	ND	ND	
	02/22/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/29/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	08/17/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	10/20/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/08/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/16/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	07/20/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	10/04/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	01/24/14	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	4/5/2014	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	7/12/2014	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	10/3/2014	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1/23/2015	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4/4/2015	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7/24/2015	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
OffRW-6 (MW-23)	08/16/08	5.14	23,800	ND	193	ND	ND	ND	ND	ND	ND	86.2	696	1,470	
	10/26/08	4.64	13,000	ND	ND	ND	42.7	ND	ND	ND	ND	97.0	570	820	
	02/18/09	5.51	16,000	ND	ND	ND	44.6	ND	ND	ND	ND	134	622	1,290	
	05/09/09	4.47	2,870	1.65	ND	ND	2.76	ND	ND	ND	ND	ND	9.74	11.6	
	08/21/09	3.76	31,600	ND	ND	ND	22.2	ND	ND	ND	ND	17.0	587	660	
	11/07/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	02/19/10	--	19,400	25	ND	ND	1,130	ND	ND	ND	ND	235	851	1,850	
	05/07/10	--	13,100	14.4	ND	ND	655	ND	ND	ND	ND	133	392	783	
	07/23/10	--	14,200	15.9	ND	ND	566	ND	ND	ND	ND	122	364	543	
	10/08/10	--	27,800	20.4	ND	ND	1,530	ND	ND	ND	ND	586	1,530	3,100	
	01/21/11	--	16,300	18.5	ND	ND	830	ND	ND	ND	ND	220	540	1,220	
	04/18/11	--	6,200	ND	ND	ND	345	ND	ND	ND	ND	45.2	80.4	190	
	08/08/11	--	7,440	12.0	ND	ND	450	ND	ND	ND	ND	128	389	766	
	10/21/11	--	1,500	1.61	ND	ND	78.5	ND	ND	ND	ND	18.3	62.2	109	
	02/22/12	--	1,490	ND	ND	ND	15.1	ND	ND	ND	ND	4.56	22.6	41.9	
	05/29/12	--	485	ND	ND	ND	9.39	ND	ND	ND	ND	2.46	15.2	23.9	
	08/17/12	--	655	ND	ND	ND	16.7	ND	ND	ND	ND	3.67	15.8	35.2	
	10/20/12	--	1,840	11	ND	ND	90	ND	ND	ND	ND	11	32	60	
	02/08/13	--	842	1.08	ND	ND	9.5	ND	ND	ND	ND	1.85	9.66	20	
	05/16/13	--	876	ND	ND	ND	7.14	ND	ND	ND	ND	4.08	19.7	32.9	
	07/20/13	--	306	ND	ND	ND	2.37	ND	ND	ND	ND	1.1	9.5	19.5	
	10/04/13	--	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.75	5.49	
	01/24/14	--	846	2.93	ND	ND	31.9	ND	ND	ND	ND	4.41	5.80	66.0	
	4/5/2014	--	156	ND	ND	ND	3.40	ND	ND	ND	ND	ND	2.45	4.57	
	7/12/2014	--	123	ND	ND	ND	1.12	ND	ND	ND	ND	ND	ND	ND	ND
	10/3/2014	--	675	1.20	ND	ND	6.61	ND	ND	ND	ND	1.07	1.79	2.36	
1/23/2015	--	3,380	410	ND	ND	66.0	ND	ND	ND	ND	141	49.1	97.0		
4/4/2015	--	2,690	ND	ND	ND	115	ND	ND	ND	ND	11.9	46.6	178		
7/24/2015	--	379	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)													
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes			
MW-24	08/16/08	3.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	10/25/08	3.38	ND	ND	ND	ND	ND	2.80	ND	ND	ND	ND	ND	ND	ND	
	02/18/09	3.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/09/09	3.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.45	ND	ND	ND	
	08/21/09	2.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.27	ND	ND	ND	
	11/07/09	2.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/19/10	3.43	ND	1.15	ND	ND	ND	ND	ND	ND	ND	2.40	1.15	2.75	ND	
	05/07/10	3.89	ND	2.64	ND	ND	4.24	ND	ND	ND	ND	13.9	6.75	13.20	ND	
	07/23/10	3.78	103	3.73	ND	ND	5.65	ND	ND	ND	ND	16.4	8.22	16.7	ND	
	10/08/10	3.70	585	17.3	ND	ND	22.3	ND	ND	ND	ND	78.5	31.3	72.0	ND	
	01/21/11	6.03	483	20.8	ND	ND	25.8	ND	ND	ND	ND	72.0	34.3	71.5	ND	
	04/23/11	6.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	08/08/11	7.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	10/21/11	7.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/21/12	7.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/29/12	7.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	08/17/12	7.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	10/20/12	7.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	02/08/13	7.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	05/16/13	7.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.24	1.07	7.11	ND	
	07/20/13	6.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	10/04/13	5.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	01/24/14	5.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	4/5/2014	5.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	7/11/2014	4.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	10/5/2014	4.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1/23/2015	4.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4/3/2015	4.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7/24/2015	3.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
OffRW-8 (MW-25)	08/16/08	4.94	43,800	3,930	839	ND	ND	ND	ND	ND	3,660	760	1,140	ND	ND	
	10/26/08	4.43	56,900	7,700	ND	ND	877	ND	ND	ND	3,580	839	1,090	ND	ND	
	02/18/09	4.69	22,300	5,200	ND	ND	498	ND	ND	ND	2,610	489	766	ND	ND	
	05/09/09	4.18	14,500	5,440	ND	ND	393	ND	ND	ND	1,750	320	507	ND	ND	
	08/21/09	5.06	18,300	4,690	ND	ND	380	ND	ND	ND	2,080	339	544	ND	ND	
	11/07/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/19/10	--	16,900	5,700	ND	ND	479	ND	ND	ND	2,010	449	650	ND	ND	
	05/07/10	--	16,900	4,480	ND	ND	583	ND	ND	ND	2,670	653	1,260	ND	ND	
	07/23/10	--	18,700	4,400	ND	ND	698	ND	ND	ND	2,600	725	3,740	ND	ND	
	10/08/10	--	29,800	4,910	ND	ND	584	ND	ND	ND	2,950	645	1,000	ND	ND	
	01/21/11	--	59,100	10,200	ND	ND	1890	ND	ND	ND	8,600	2,960	5,990	ND	ND	
	04/18/11	--	9,400	1,990	ND	ND	210	ND	ND	ND	754	183	347	ND	ND	
	08/08/11	--	7,270	1,310	ND	ND	155	ND	ND	ND	464	253	308	ND	ND	
	10/21/11	--	2,050	773	ND	ND	ND	ND	ND	ND	169	105	103	ND	ND	
	02/22/12	--	2,720	618	ND	ND	40.5	ND	ND	ND	169	72.6	111	ND	ND	
	05/29/12	--	2,450	78.8	ND	ND	82.0	ND	ND	ND	203	92.1	135	ND	ND	
	08/17/12	--	1,940	825	ND	ND	35	ND	ND	ND	252	113	132	ND	ND	
	10/20/12	--	1,870	469	ND	ND	29	ND	ND	ND	86	37	51	ND	ND	
	02/08/13	--	2,310	808	ND	ND	107	ND	ND	ND	148	107	168	ND	ND	
	05/16/13	--	2,290	406	ND	ND	26.3	ND	ND	ND	111	31.5	52.1	ND	ND	
	07/20/13	--	1,440	530	ND	ND	37	ND	ND	ND	97.9	25.9	45.2	ND	ND	
	10/04/13	--	1,570	387	ND	ND	27.3	ND	ND	ND	66.8	26	37.8	ND	ND	
	01/24/14	--	863	225	ND	ND	22.8	ND	ND	ND	33.6	20.6	32.4	ND	ND	
	4/5/2014	--	1,350	340	ND	ND	38.9	ND	ND	ND	ND	45.6	57.6	ND	ND	
	7/12/2014	--	1,140	340	ND	ND	45.5	ND	ND	ND	62.0	49.3	54.2	ND	ND	
	10/3/2014	--	1,130	465	ND	ND	ND	ND	ND	ND	72.2	49.2	47.5	ND	ND	
1/23/2015	--	3,380	410	ND	ND	66.0	ND	ND	ND	141	49.1	97.0	ND	ND		
4/4/2015	--	5,450	1,490	ND	ND	197	ND	ND	ND	89.8	97.0	110	ND	ND		
7/24/2015	--	910	277	ND	ND	50.1	ND	ND	ND	ND	13.9	ND	ND	ND		

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)												
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes		
MW-26	08/16/08	4.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.18	ND	ND
	10/25/08	4.10	60.0	1.07	ND	ND	1.31	ND	ND	ND	ND	ND	4.97	2.14	4.35
	02/18/09	NM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/09/09	3.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/21/09	3.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.48	ND	ND
	11/07/09	2.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/19/10	3.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.16	ND	ND
	05/07/10	4.31	210	9.36	ND	ND	9.17	ND	ND	ND	ND	ND	36.4	15.3	30.2
	07/23/10	4.22	385	22.6	ND	ND	21.4	ND	ND	ND	ND	ND	78.0	32.9	67.5
	10/08/10	4.09	382	11.1	ND	ND	14.0	ND	ND	ND	ND	ND	50.7	21.2	45.1
	01/21/11	6.01	585	37.9	ND	ND	26.5	ND	ND	ND	ND	ND	98.0	46.4	95.3
	04/23/11	6.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/08/11	7.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/21/11	7.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/21/12	7.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/29/12	7.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/17/12	7.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	7.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/08/13	7.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/16/13	7.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/20/13	6.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/04/13	6.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/14	6.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/5/2014	5.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/11/2014	5.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/3/2014	4.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1/23/2015	4.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4/3/2015	4.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
7/24/2015	4.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-27	08/21/09	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/07/09	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/19/10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/07/10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.10	1.00	ND	ND
	07/23/10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/08/10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/21/11	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/23/11	7.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.17	1.00	2.03	ND
	08/08/11	7.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/21/11	8.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/21/12	8.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/29/12	8.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/17/12	8.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	7.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/08/13	8.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/16/13	7.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/20/13	7.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/04/13	6.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/14	6.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/5/2014	6.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/11/2014	6.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/3/2014	5.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/23/2015	5.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/3/2015	5.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/24/2015	5.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)												
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes		
OffRW-1	04/18/11	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/08/11	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/21/11	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/22/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/29/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/17/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/08/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/16/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/20/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/04/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/14	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/5/2014	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/11/2014	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/3/2014	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/23/2015	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/4/2015	--	207	18.1	ND	ND	11.9	ND	ND	ND	26.9	13.7	25.2	ND	ND
7/24/2015	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
OffRW-2	04/18/11	--	4,410	48.1	ND	ND	219	ND	ND	ND	158	126	233	ND	ND
	08/08/11	--	5,710	42.6	ND	ND	330	ND	ND	ND	264	272	330	ND	ND
	10/21/11	--	4,330	15.3	ND	ND	86.6	ND	ND	ND	51.2	144	95.9	ND	ND
	02/22/12	--	10,900	36.0	ND	ND	160	ND	ND	ND	197	280	403	ND	ND
	05/29/12	--	4,130	24.4	ND	ND	52.6	ND	ND	ND	71.6	249	307	ND	ND
	08/17/12	--	7160	38.3	ND	ND	249	ND	ND	ND	164	321	412	ND	ND
	10/20/12	--	9,600	41	ND	ND	717	ND	ND	ND	318	372	498	ND	ND
	02/08/13	--	4360	20.8	ND	ND	117	ND	ND	ND	74.3	274	399	ND	ND
	05/16/13	--	5780	15.9	ND	ND	255	ND	ND	ND	75.3	54	156	ND	ND
	07/20/13	--	5100	10.3	ND	ND	378	ND	ND	ND	50.5	95.5	186	ND	ND
	10/04/13	--	4770	14.9	ND	ND	359	ND	ND	ND	57.4	106	184	ND	ND
	01/24/14	--	5,290	7.87	ND	ND	65.1	ND	ND	ND	44.1	115	153	ND	ND
	4/5/2014	--	2,820	5.60	ND	ND	78.6	ND	ND	ND	26.2	67.3	82.5	ND	ND
	7/11/2014	--	1,840	4.40	ND	ND	91.5	ND	ND	ND	21.3	42.1	63.9	ND	ND
	10/3/2014	--	1,600	2.72	ND	ND	10.2	ND	ND	ND	4.52	30.0	17.5	ND	ND
	1/23/2015	--	1,540	1.29	ND	ND	41.9	ND	ND	ND	6.66	18.6	23.3	ND	ND
	4/4/2015	--	182	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/24/2015	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
OffRW-4	04/18/11	--	74.1	ND	ND	ND	1.33	ND	ND	ND	ND	3.19	6.27	ND	ND
	08/08/11	--	50.9	ND	ND	ND	ND	ND	ND	ND	ND	2.3	3.81	ND	ND
	10/21/11	--	132	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/22/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/29/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/17/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/08/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/16/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/20/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/04/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/14	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/5/2014	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/11/2014	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/3/2014	--	182	ND	ND	ND	1.12	ND	ND	ND	ND	ND	ND	ND	ND
	1/23/2015	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/4/2015	--	147	1.02	ND	ND	1.69	ND	ND	ND	ND	1.71	4.88	ND	ND
7/24/2015	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE A-1 GROUNDWATER ANALYTICAL RESULTS
BTEX, TPH-gas, and Fuel Oxygenates
(EPA Method 8260B - ug/L)
NEWPORT-MESA UNIFIED SCHOOL DISTRICT

Sample ID	Date	Groundwater Elevation (ft- msl)	BTEX, TPH-gas, and Fuel Oxygenates using EPA 8260B (ug/L)											
			TPH as Gasoline (C4-C12)	Benzene	DIPE	ETBE	Ethylbenzene	MTBE	TAME	TBA	Toluene	p-Xylene	m- & p-Xylenes	
OffRW-7	04/18/11	--	701	ND	ND	ND	11.9	ND	ND	ND	ND	ND	1.58	14.5
	08/08/11	--	633	ND	ND	ND	37.9	ND	ND	ND	ND	ND	7.35	28.8
	10/21/11	--	523	ND	ND	ND	1.63	ND	ND	ND	ND	ND	ND	4.41
	02/22/12	--	485	ND	ND	ND	1.54	ND	ND	ND	ND	ND	1.26	11.5
	05/29/12	--	136	ND	ND	ND	3.70	ND	ND	ND	ND	ND	ND	3.21
	08/17/12	--	273	ND	ND	ND	7.49	ND	ND	ND	ND	ND	ND	5.72
	10/20/12	--	1,090	ND	ND	ND	26	ND	ND	ND	ND	ND	3	30
	02/08/13	--	326	ND	ND	ND	13.1	ND	ND	ND	ND	ND	ND	8.25
	05/16/13	--	230	ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND	3.36
	07/21/13	--	225	65	ND	ND	5.85	ND	ND	ND	13.5	4.11	7.17	7.17
	10/04/13	--	160	ND	ND	ND	15.1	ND	ND	ND	1.59	4.07	7.17	7.17
	01/24/14	--	291	ND	ND	ND	4.81	ND	ND	ND	ND	ND	ND	3.08
	4/5/2014	--	510	ND	ND	ND	9.25	ND	ND	ND	ND	ND	ND	4.28
	7/11/2014	--	263	ND	ND	ND	3.39	ND	ND	ND	ND	ND	ND	ND
	10/5/2014	--	169	ND	ND	ND	1.07	ND	ND	ND	ND	ND	ND	ND
	1/23/2015	--	169	ND	ND	ND	1.57	ND	ND	ND	ND	ND	ND	ND
	4/4/2015	--	178	ND	ND	ND	2.61	ND	ND	ND	ND	ND	ND	ND
7/24/2015	--	184	ND	ND	ND	9.09	ND	ND	ND	ND	ND	ND	3.81	
OffRW-9	04/18/11	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/08/11	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/21/11	--	ND	21.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/22/12	--	ND	5.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/29/12	--	ND	3.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/17/12	--	ND	4.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/08/13	--	ND	2.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/16/13	--	ND	5.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/20/13	--	ND	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/04/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/14	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/5/2014	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/11/2014	--	ND	1.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/3/2014	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/23/2015	--	ND	7.94	ND	ND	ND	ND	ND	ND	2.45	ND	ND	ND
	4/4/2015	--	ND	1.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7/24/2015	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
OffRW-10	04/18/11	--	319	23.4	ND	ND	1.29	ND	ND	ND	ND	3.37	6.23	10.6
	08/08/11	--	315	83.0	ND	ND	11.3	ND	ND	ND	ND	2.41	4.21	2.14
	10/21/11	--	74.7	22.2	ND	ND	2.22	ND	ND	ND	ND	ND	ND	ND
	02/22/12	--	ND	6.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/29/12	--	ND	4.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	08/17/12	--	ND	3.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/12	--	ND	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/08/13	--	ND	4.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/16/13	--	ND	2.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	07/20/13	--	ND	1.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/04/13	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/14	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/5/2014	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/11/2014	--	ND	5.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/3/2014	--	ND	2.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/23/2015	--	ND	25.2	ND	ND	3.44	ND	ND	ND	3.24	ND	ND	2.63
	4/4/2015	--	407	72.0	ND	ND	19.8	ND	ND	ND	2.82	2.72	4.84	4.84
7/24/2015	--	111	38.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-00	7/25/2015	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes: TPH = Total Petroleum Hydrocarbons
MTBE = Methyl-tert-butyl Ether
ND = Not Detected above the lab Practical Quantification Limit (PQL)
NS = Not Sampled this quarter due to reduction in monitoring frequency (2nd and 4th quarters), per OCHCA requirements.
NM = Not Measured due to obstruction
NA = Not Accessible due to remedial construction activity
Measuring point is top of well casing, referenced to mean sea level (ft-msl).
-- = These wells were not gauged for groundwater elevations due to the presence of remedial equipment

DIPE = Di-isopropyl Ether
TAME = tert-Amyl Methyl Ether
ETBE = Ethyl-tert-butyl Ether
TBA = tert-Butanol
MW-00 = Duplicate Sample taken from MW-12 this quarter
NR = Not Recorded due to presence of Free Product