Appendix F

Phase I Environmental Assessment Report (January 16, 2018)

PARTNER
Engineering and Science, Inc.®

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Industrial Land
517 Shinohara Lane
Chula Vista, California 91911

Report Date: January 16, 2018
Partner Project No. 17-199602.1

Prepared for:

STOS Partners
669 2nd Street
Encinitas, California 92024

PARTNER
Engineering and Science, Inc.

January 16, 2018

Mr. CJ Stos
STOS Partners
669 2nd Street
Encinitas, California 92024

Subject: Phase I Environmental Site Assessment
Industrial Land
517 Shinohara Lane
Chula Vista, California 91911
Partner Project No. 17-199602.1

Dear Mr. Stos:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in general conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (619) 925-9672 or MLambson@partneresi.com.

Sincerely,

DRAFT

Mark Lambson
Principal

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by STOS Partners for the property located at 517 Shinohara Lane in the City of Chula Vista, San Diego County, California (the "subject property"). The Phase I Environmental Site Assessment is designed to provide STOS Partners with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located at the western terminus of Shinohara Lane, approximately 350 feet west of Brandywine Avenue within a mixed commercial, industrial, and residential area of San Diego County. Please refer to the table below for further description of the subject property:

Subject Property Data	
Address:	517 Shinohara Lane, Chula Vista, California
Property Use:	Vacant
Land Acreage (Ac):	9.56 Ac
Number of Buildings:	0
Number of Floors:	Not applicable
Gross Building Area (SF):	Not applicable
Net Rentable Area (SF):	Not applicable
Date of Construction:	Not applicable
Assessor's Parcel Number (APN):	644-040-01-00
Type of Construction:	Not applicable
Current Tenants:	Not applicable
Site Assessment Performed By:	Sara A. Gengler of Partner
Site Assessment Conducted On:	January 2, 2018

The subject property is currently vacant land occupied by no tenants. No operations are conducted on site.

According to available historical sources, the subject property was formerly undeveloped as early 1904. No tenants have occupied the subject property.

The immediately surrounding properties consist of a residential condominium complex to the north; a multi-unit light industrial building and Fuller Collision Center to the south; two multi-unit light industrial buildings and Shinohara Lane to the east; and a single-family residential community to the west.

According to a previous subsurface investigation conducted at the east adjacent sites, the depth and direction of groundwater in the vicinity of the subject property is inferred to be approximately 45 to 85 feet below ground surface (bgs) and flows toward the southwest.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Based on subsurface investigations conducted at the east adjacent Brandywine Distribution Center sites, it appears that chlorinated hydrocarbons (TCE reported at concentrations of 1 µg/l to 720 µg/l) potentially originating from the up-gradient former Omar Rendering site and the Otay Landfill have impacted the groundwater at the east adjacent Brandywine Distribution Center sites, and the potential exists that chlorinated hydrocarbons originating from the former Omar Rendering site and the Otay Landfill have impacted the subsurface of the subject property. The Regional Water Quality Control Board (RWQCB), the lead oversight agency, reviewed a 1996 Soil and Groundwater Investigation report for the Brandywine Distribution Center case and in a letter dated November 15, 1996, summarized that volatile organic compounds (VOC) including trichloroethene (TCE), tetrachloroethene (PCE), and methylene chloride (MEC) had been discovered at elevated concentrations in groundwater beneath the sites, but not in the unsaturated soil zone. Even though the RWQCB cited that the former Omar Rendering site and the former Otay Landfill had not been clearly identified as the sources of impacted groundwater beneath the Brandywine Distribution Center, the RWQCB appeared to concur with the consultant's findings including the determination that the source of the impact was not related to historic or present activities at the Brandywine Distribution Center but from up-gradient sources. In the 1996 letter, the RWQCB stated that No Further Action (NFA) was required and that the RWQCB did not intend to pursue regulatory action against the current or former owners of the Brandywine Distribution Center. The case was granted regulatory closure on May 3, 2017. Based on the aforementioned, the potential exists that chlorinated hydrocarbons originating from the former Omar Rendering site and the Otay Landfill have impacted the subsurface of the subject property. The likely presence of subsurface contamination at the subject property is considered a recognized environmental condition.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria

established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- Partner did not identify any environmental issues during the course of this assessment.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 517 Shinohara Lane in the City of Chula Vista, San Diego County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed evidence of recognized environmental conditions and/or environmental issues in connection with the subject property. Based on the conclusions of this assessment, Partner recommends the following:

- The potential for vapor intrusion, from documented contaminants in up-gradient groundwater samples, should be evaluated through a limited subsurface investigation prior to development of the subject property.

TABLE OF CONTENTS

Figures

Appendices

1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 517 Shinohara Lane in the City of Chula Vista, San Diego County, California (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in general accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential

exposure to hazardous substances or petroleum products in the soil or groundwater on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

STOS Partners engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of STOS Partners. Either verbally or in

writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed. A copy of Partner's standard Terms and Conditions can be found at http://www.partneresi.com/terms-and-conditions.php.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner submitted a Freedom of Information Act (FOIA) request to the Chula Vista Building Department (CVBD) for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property and/or adjacent properties. As of this writing, the Chula Vista Building Department (CVBD) has not responded to Partner's request. Based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, and a title search. This information was not provided at the time of the assessment.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 517 Shinohara Lane in Chula Vista, California is located at the western terminus of Shinohara Lane, approximately 350 feet west of Brandywine Avenue. According to online research, the abbreviated legal description of the subject property is "SEC 19-18-1W*LOT 1*(EX ST)DOC91-685199 IN," and ownership is currently vested in San Francisco Assets, LLC and Selma Investments, LLC since 2009.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently undeveloped land. No operations are conducted on site.

The subject property is designated for industrial development by the City of Chula Vista.

The subject property was not identified in the regulatory database report of Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed commercial/industrial/residential area of San Diego County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties	
North:	Mendocino residential condominium complex (1555-1595 Mendocino Drive)
South:	A multi-unit light industrial building (505 Main Street) and Fuller Collision Center (515 Main Street)
East:	Two multi-unit light industrial buildings (1670 and 1690 Brandywine Avenue) and Shinohara Lane
West:	A single-family residential community

The adjacent properties to the east were identified as CA WMUDS/SWAT and CA SLIC sites in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Imperial Beach, California* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 200 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping moderately toward the south. The subject property is depicted on the 2012 map as undeveloped.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

According to topographic map interpretation, the direction of groundwater in the vicinity of the subject property is inferred to flow toward the southwest. The nearest surface water in the vicinity of the subject property is the Otay River located approximately one-quarter mile south of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the Otay Water District serves the subject property vicinity. According to the Otay Water District website, shallow groundwater beneath the subject property is not utilized for domestic purposes. The Otay Water District purchases water from the San Diego County Water Authority (CWA), a public agency that operates as a wholesale water supplier in San Diego County. Much of this water is in turn purchased from the Los Angeles-based Metropolitan Water District of Southern California (MWD), another public agency that imports water from both Northern California (through the State Water Project) and the Colorado River.

According to a previous subsurface investigation conducted on the east adjacent properties (1670 and 1690 Brandywine Avenue and Case 9 000247N96), the depth of groundwater in the vicinity of the subject property is inferred to be approximately 45 to 85 feet below ground surface (bgs).

2.4.3 Geology/Soils

The subject property is situated within the San Diego plain of the Coast Ranges physiographic province of the State of California The coastal plain is characterized by a series of dissected wave-cut terraces (mesas) extending inland from the coast. These terraces are underlain by generally flat-lying Cretaceous and Eocene sedimentary formations, which, in turn, are capped by relatively thin deposits of Pliocene and Pleistocene age. Directly below this latter unit is the Pliocene age San Diego Formation, which consists predominantly of sandstone.

Based on information obtained from the USDA Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as mainly Salinas clay loam with about 15 percent of the northwestern corner of the property Olivenhain cobbly loam.

The Salinas series consists of deep, well-drained, moderately permeable soils that formed on alluvial plains from alluvium derived from mixed sources. Slopes range from 2 to 9 percent. The Olivenhain series consists of shallow, well-drained, very low to moderately low permeable soils that formed on marine terraces from gravelly alluvium derived from mixed sources. Slopes range from 2 to 30 percent.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Numbers 2156G and 2157G, dated May 16, 2012, the subject property appears to be located in Zone X, an area located outside of the 100-year and 500-year flood plains.

A copy of the reviewed flood map is not included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Period/Date	**Source**	**Description/Use**
1904-Present	Aerial Photographs, Topographic Maps, City Directories, Onsite Observations	Undeveloped Land

No tenants have ever occupied the subject property. Recognized environmental conditions were identified in association with the subject property, as further discussed in Section 4.2.3.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources (EDR) on December 28, 2017. The following observations were noted to be visible on the subject property and adjacent properties during the aerial photograph review:

Date: 1949 ***Scale: 1"=500'***

Subject Property: Undeveloped
North: Undeveloped
South: Undeveloped
East: Undeveloped
West: Undeveloped

Date: 1953, 1964 ***Scale: 1"=500'***

Subject Property: Undeveloped
North: Undeveloped
South: Greenhouses
East: Undeveloped
West: Undeveloped

Date: 1966, 1970 ***Scale: 1"=500'***

Subject Property: Undeveloped
North: Undeveloped
South: Greenhouses
East: Agricultural land
West: The current single-family residential community

Date: 1979 ***Scale: 1"=500'***

Subject Property: Undeveloped
North: The current residential condominium complex
South: Vacant land
East: Agricultural land
West: The current single-family residential community

Date: 1985 ***Scale: 1"=500'***

Date:	***1985***	***Scale:***	***1"=500'***
Subject Property:	Undeveloped		
North:	The current residential condominium complex		
South:	The current two commercial buildings		
East:	Vacant land		
West:	The current single-family residential community		

Date:	***1989, 1994, 2005, 2009, 2010, 2012***	***Scale:***	***1"=500'***
Subject Property:	Undeveloped		
North:	The current residential condominium complex		
South:	The current two commercial buildings		
East:	The current two commercial buildings and Shinohara Lane		
West:	The current single-family residential community		

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner reviewed the collection of Sanborn Fire insurance maps from Environmental Data Resources (EDR) on December 29, 2017. Sanborn map coverage was not available for the subject property.

A copy of the Sanborn No Coverage Letter is included in Appendix B of this report.

3.3 City Directories

Partner reviewed historical city directories obtained from Environmental Data Resources (EDR) on December 28, 2017 for past names and businesses that were listed for the subject property and adjacent properties. City directories were not identified for the subject property. Based on the city directory review, no environmentally sensitive listings were identified for the subject property address.

According to the city directory review, the adjacent properties have been occupied by commercial businesses and private residential parties dating back to 1970. Neighboring properties of environmental concern, if any, are discussed in Section 4.2.

Copies of reviewed city directories are included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from Environmental Data Resources (EDR) on December 27, 2017. The following observations were noted to be depicted on the subject property and adjacent properties during the topographic map review:

Date:	***1904, 1930, 1943, 1953***
Subject Property:	Undeveloped native land
North:	Undeveloped native land
South:	Undeveloped native land
East:	Undeveloped native land

Date:	***1904, 1930, 1943, 1953***
West:	Undeveloped native land

Date:	***1975***
Subject Property:	Undeveloped native land
North:	Shaded to indicate urban development
South:	Four small structures
East:	Undeveloped native land
West:	The current single-family residential community

Date:	***1991***
Subject Property:	Undeveloped native land
North:	Shaded to indicate urban development
South:	The current two commercial buildings
East:	The current two commercial buildings
West:	Shaded to indicate urban development

Date:	***1996***
Subject Property:	Shaded to indicate urban development
North:	Shaded to indicate urban development
South:	Shaded to indicate urban development
East:	Shaded to indicate urban development
West:	Shaded to indicate urban development

Date:	***2012***
Subject Property:	Undeveloped land
North:	Undeveloped land
South:	Undeveloped land
East:	Undeveloped and Shinohara Lane
West:	Undeveloped land

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 Health Department

Regulatory Agency Data	
Name of Agency:	San Diego County Department of Environmental Health (SDCDEH)
Point of Contact:	Mr. Edwin C. Andrus
Agency Address:	5510 Overland Avenue, Suite 170, San Diego, California 92112
Agency Phone Number:	(858) 505-6700 / (858) 505-6937
Date of Contact:	December 27, 2017
Method of Communication:	Email
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the SDCDEH.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.2 Fire Department

Regulatory Agency Data	
Name of Agency:	City of Chula Vista Fire Department (CVFD)
Point of Contact:	City Clerk's Office
Agency Address:	447 F Street, Chula Vista, California 91910
Agency Phone Number:	(619) 691-5055
Date of Contact:	December 27, 2017
Method of Communication:	Telephone
Summary of Communication:	Jurisdiction over management of hazardous materials, hazardous waste, and underground storage tanks (USTs) within the City of San Diego falls under the oversight of the SDCDEH, Hazardous Materials Management Division (HMMD) and Site Assessment and Mitigation Program (SAM), and not the CVFD, as discussed in Section 4.1.2, Health Department, above.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.3 Air Pollution Control Agency

Regulatory Agency Data	
Name of Agency:	San Diego Air Pollution Control District (SDAPCD)
Point of Contact:	https://publicservices.sdcounty.ca.gov/citizenaccess/
Agency Address:	10124 Old Grove Road, San Diego, California 92131
Agency Phone Number:	(858) 586-2600
Date of Contact:	December 27, 2017
Method of Communication:	On line
Summary of Communication:	No Permits to Operate (PTO), Notices of Violation (NOV), or Notices to Comply (NTC) or the presence of AULs, dry cleaning machines, or USTs were on file for the subject property with the SDAPCD.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.4 Regional Water Quality Agency

Regulatory Agency Data	
Name of Agency:	California State Water Quality Control Board (SWQCB)–San Diego Region
Point of Contact:	http://geotracker.waterboards.ca.gov/default.asp
Agency Address:	2375 Northside Drive, Suite 100, San Diego, California 92108
Agency Phone Number:	(619) 516-1990
Date of Contact:	December 27, 2017
Method of Communication:	On line
Summary of Communication:	The subject property address was not reported on the Geotracker database as a site where releases to the environment have occurred.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.5 Department of Toxic Substances Control

Regulatory Agency Data	
Name of Agency:	California Department of Toxic Substances Control (DTSC)
Point of Contact:	• http://www.dtsc.ca.gov/database/LUC/name_list.cfm • http://www.envirostor.dtsc.ca.gov/public/ • http://www.hwts.dtsc.ca.gov/report_search.cfm?id=5
Agency Address:	5796 Corporate Avenue, Cypress, California 92630
Agency Phone Number:	(714) 484-5300
Date of Contact:	December 27, 2017
Method of Communication:	On line
Summary of Communication:	The subject property was not reported on the Envirostor database as a site where releases to the environment have occurred, on the LUC database as a site where land use restrictions have been imposed, or on the HWTS database as a site that disposed of hazardous waste under manifest.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.6 Building Department

Regulatory Agency Data	
Name of Agency:	Chula Vista Building Department (CVBD)
Point of Contact:	https://pip.chulavistaca.gov/CitizenAccess/chulavista.aspx
Agency Address:	276 Fourth Avenue, Chula Vista, California 91910
Agency Phone Number:	(619) 691-5272
Date of Contact:	December 27, 2017
Method of Communication:	On line and Telephone
Summary of Communication:	As of the date of this report, Partner has not received a response from the CVBD for inclusion in this report.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.7 Planning Department

Regulatory Agency Data	
Name of Agency:	Chula Vista Planning Department (CVPD)
Point of Contact:	https://pip.chulavistaca.gov/CitizenAccess/chulavista.aspx
Agency Address:	276 Fourth Avenue, Chula Vista, California 91910
Agency Phone Number:	(619) 691-5272
Date of Contact:	December 27, 2017
Method of Communication:	On line
Summary of Communication:	According to records reviewed, the subject property is zoned ILP (Limited Industrial Precise Plan) for industrial use by the County of San Diego.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.8 Oil & Gas Exploration

Regulatory Agency Data	
Name of Agency:	California Division of Oil, Gas and Geothermal Resources (DOGGR)
Point of Contact:	http://www.conservation.ca.gov/dog/Pages/WellFinder.aspx
Agency Address:	5816 Corporate Avenue, Cypress, California 90630
Agency Phone Number:	(714) 816-6847
Date of Contact:	December 27, 2017
Method of Communication:	On line
Summary of Communication:	According to the DOGGR website, no oil or gas wells are located on or adjacent to the subject property.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.9 Assessor's Office

Regulatory Agency Data	
Name of Agency:	San Diego County Assessor
Point of Contact:	https://arcc-acclaim.sdcounty.ca.gov/search/SearchTypeParcel
Agency Address:	1600 Pacific Highway, Suite 103, San Diego, California 92101
Agency Phone Number:	(619) 235-5200
Date of Contact:	December 27, 2017
Method of Communication:	On line
Summary of Communication:	According to records reviewed, the subject property is identified by Assessor Parcel Number (APN) 644-040-01-00.

A copy of pertinent documents is not included in Appendix B of this report.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by Environmental Data Resources, Inc. (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing

a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	N	N	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	**Y**
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	**Y**
State/Tribal Leaking Storage Tank Site	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	N	N	**Y**
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.50	N	N	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
EDR MGP	Varies	N	N	N
EDR US Hist Auto Station	Varies	N	N	N
EDR US Hist Cleaners	Varies	N	N	N
State/Tribal SLIC (Spills, Leaks, Investigations, and Cleanups)	Varies	N	**Y**	N
Other Miscellaneous Environmental Databases	Varies	N	**Y**	**Y**

4.2.2 Subject Property Listings

The subject property is not identified in the regulatory database report.

4.2.3 Adjacent Property Listings

The adjacent properties to the east were identified as CA SLIC and CA WMUDS/SWAT sites in the regulatory database report, as discussed below:

- The properties identified as Brandywine Distribution Center at 1670 and 1690 Brandywine Avenue are located adjacent to the east of the subject property. These sites are identified as one closed SLIC case site on the State Water Quality Control Board (RWQCB) GeoTracker database. The lead agency is identified as the San Diego Regional Water Quality Control Board (RWQCB) Region 9 and the case number is 9000247N96. It has a cleanup status of "Completed – Case closed as of 5/3/17." The case is listed as a Category 1 site, which is described as follows:

  > *Category 1 includes most leaking underground fuel tank (LUFT) sites and many small commercial facilities, such as dry cleaners. Category 1 sites are characterized by soil or groundwater contamination that does not pose an immediate human health threat and does not extend off-site onto neighboring properties. Off-site groundwater plumes that extend only into the public right of way are also included in this category. We expect little or no public interest at Category 1 sites.*

  Based on records reviewed for the case, groundwater beneath the site was found to be impacted by chlorinated hydrocarbons (TCE reported at concentrations of 1 µg/l to 720 µg/l) and determined to have originated from the former Omar Rendering site and the Otay Landfill, facilities situated in up-gradient directions. Based on assessment activities conducted by Ogden Environmental and Energy Services and related in a May 1996 Soil and Groundwater Investigation report, "there did not appear to be a risk to human health at the subject site. Odgen concluded that "the source of groundwater contamination beneath the site appears to be from an off-site source." As per a 1997 report summarized in a 2017 Phase I Environmental Site Assessment Report by Partner for the Brandywine Distribution Center sites, "it is clearly evident that properties to the east and north of Brandywine Distribution Center, specifically the Omar Rendering Facility and the Otay Landfill, have affected the underlying groundwater table. Further, clear evidence indicates that the source of this impact is not related to historic or present activities at either 1670 or 1690 Brandywine Avenue."

  According to the 2017 Phase I Environmental Site Assessment Report for the Brandywine Distribution Center, the RWQCB reviewed the 1996 Soil and Groundwater Investigation report for the Brandywine Distribution Center and in a letter dated November 15, 1996, summarized that volatile organic compounds (VOC) including trichloroethene (TCE), tetrachloroethene (PCE), and methylene chloride (MEC) had been discovered at elevated concentrations in groundwater beneath the sites, but not in the unsaturated soil zone. Even though the RWQCB cited that the former Omar Rendering site (located approximately 700 feet to the east) and the former Otay Landfill (located about one-half mile to the northeast) had not been clearly identified as the sources of impacted groundwater beneath the Brandywine Distribution Center, the RWQCB appeared to concur with the consultant's findings. In the 1996 letter, the RWQCB stated that No Further Action (NFA) was required and that the RWQCB did not intend to pursue regulatory action against the current or former owners of the Brandywine Distribution Center.

  In the Phase I Environmental Site Assessment for the Brandywine Distribution Center, Partner identified the historical subsurface contamination case as an environmental concern and

recommended no further investigation. The potential exists that chlorinated hydrocarbons originating from the former Omar Rendering site and the Otay Landfill have impacted the subsurface of the subject property. The likely presence of subsurface contamination at the subject property is considered a recognized environmental condition.

- The properties identified as Brandywine Distribution Center at 1670 and 1690 Brandywine Avenue are also listed as a California WMUDS/SWAT site. CA Waste Management Unit Database (WMUDS) is used by the State Water Resources Control Board (SWRCB) and the RWQCB for program tracking and inventory of waste management units. The database report lists the facility type as "Other-Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)" and the primary waste type as "hazardous/influent or solid wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards."

Based on the findings, vapor migration is not expected to represent a significant environmental concern at this time.

4.2.4 Sites of Concern Listings

Properties to the east and northeast are identified as CA DEED, CA LDS, CA BOND EXP. PLAN, CA Cortese, CA ENF, CA NPDES, ENVIROSTOR, CA SWF/LF, CA San Diego Co. HMMD, CA HIST UST, CA EMI, and CA HWP sites in the regulatory database report, as discussed below:

- The property, identified as Otay Sanitary Landfill at Otay Valley Road and Allied Waste at Otay Landfill at 1700 Maxwell Road, is located approximately 0.25-miles to the east-northeast of the subject property, and situated hydrologically up-gradient. This site is identified as an ENVIROSTOR, CA SWF/LF, CA San Diego Co. HMMD, CA HIST UST, CA EMI, and CA HWP site. Based on subsurface investigations conducted at the east adjacent Brandywine Distribution Center sites and as discussed above in Section 4.2.3, it appears that chlorinated hydrocarbons originating from the former Omar Rendering site and the Otay Landfill have impacted the groundwater at the east adjacent Brandywine Distribution Center sites, and the potential exists that chlorinated hydrocarbons originating from the former Omar Rendering site and the Otay Landfill have impacted the subsurface of the subject property. The likely presence of subsurface contamination at the subject property is considered a recognized environmental condition.

- The property, identified as Former Omar Rendering Landfill at 1886 Auto Park Place, is located approximately 0.75-miles to the east of the subject property, and situated hydrologically up-gradient. This site is identified as a CA DEED, CA LDS, CA BOND EXP. PLAN, CA Cortese, CA ENF, CA NPDES site. Based on subsurface investigations conducted at the east adjacent Brandywine Distribution Center sites and as discussed above in Section 4.2.3, it appears that chlorinated hydrocarbons originating from the former Omar Rendering site and the Otay Landfill have impacted the groundwater at the east adjacent Brandywine Distribution Center sites, and the potential exists that chlorinated hydrocarbons originating from the former Omar Rendering site and the Otay Landfill have impacted the subsurface of the subject property. The likely presence of

subsurface contamination at the subject property is considered a recognized environmental condition.

Based on the findings, vapor migration is not expected to represent a significant environmental concern at this time.

4.2.5 Orphan Listings

Five orphan listings are identified in the regulatory database report; however, based on their relative distance, down-gradient location, nature of the listing and/or regulatory status, these listings are not expected to represent significant environmental concerns.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from STOS Partners (User of this report).

User Responsibilities				
Item	**Provided By User**	**Not Provided By User**	**Discussed Below**	**Does Not Apply**
Environmental Pre-Survey Questionnaire		**X**		
Title Records, Environmental Liens, and AULs			**X**	
Specialized Knowledge			**X**	
Actual Knowledge			**X**	
Valuation Reduction for Environmental Issues			**X**	
Identification of Key Site Manager	**Section 5.1.3**			
Reason for Performing Phase I ESA	**Section 1.1**			
Prior Environmental Reports		**X**		
Other				**X**

5.1 Interviews

5.1.1 Interview with Owner

The owners of the subject property since 2009, identified as San Francisco Assets, LLC and Selma Investments, LLC, were not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Mr. Jason Richards, Partner, STOS Partners, and report user, was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

According to Mr. Richards, the subject property has never been developed and has been always been vacant land. Mr. Richards further stated that there are no USTs, ASTs, clarifiers, oil/water separators, groundwater monitoring wells, or hazardous substance use/storage/generation on the subject property to the best of his knowledge. Mr. Richards provided Partner with a Phase I Environmental Site Assessment report (for the east adjacent sites at 1670 and 1690 Brandywine Avenue) by Partner Engineering and Science, Inc., dated May 3, 2017, as further discussed in Section 4.2.3.

5.1.3 Interview with Key Site Manager

A key site manager was not available to be interviewed at the time of this assessment.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not conducted since information regarding the potential for contamination at the subject property was obtained from other sources.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

Mr. Jason Richards, Partner, STOS Partners, and report user, provided Partner with a Phase I Environmental Site Assessment report (for the east adjacent sites at 1670 and 1690 Brandywine Avenue) by Partner Engineering and Science, Inc., dated May 3, 2017, as further discussed in Section 4.2.3.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessment Performed By:	Sara A. Gengler
Site Assessment Conducted On:	January 2, 2018

No site visit personnel accompanied Partner during the field reconnaissance activities.

No potential environmental concerns were identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste is not generated at the subject property, and no solid waste disposal contractor services the subject property. No evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

No sanitary discharge is generated at the subject property and no wastewater treatment facilities or septic systems are observed or reported on the subject property.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property via concrete stormwater channels throughout the site.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Department of Agriculture; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. A natural storm water wash traversing northeast to southwest spans within the perimeter of the southeastern portion of the subject property. No other surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

There are no heating or cooling systems or domestic water at the subject property.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

No domestic wastewater is generated at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No hazardous substances or petroleum products were observed on the subject property during the site reconnaissance.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

No potential PCB-containing equipment (transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

Due to the lack of buildings on the subject property, ACMs were not considered within the scope of this assessment.

6.3.2 Lead-Based Paint (LBP)

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm^2 (or 5,000 ug/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X", to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

Due to the lack of buildings on the subject property, LBP was not considered within the scope of this assessment.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 3. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the Otay Water District serves the subject property vicinity. According to the Otay Water District website, shallow groundwater beneath the subject property is not utilized for domestic purposes. The Otay Water District purchases water from the San Diego County Water Authority (CWA), a public agency that operates as a wholesale water supplier in San Diego County. Much of this water is in turn purchased from the Los Angeles-based Metropolitan Water District of Southern California (MWD), another public agency that imports water from both Northern California (through the State Water Project) and the Colorado River. According to the Otay Water District and the 2016 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g. in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Due to the lack of buildings on the subject property, mold was not considered within the scope of this assessment.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. No items of environmental concern were identified on the adjacent properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Based on subsurface investigations conducted at the east adjacent Brandywine Distribution Center sites, it appears that chlorinated hydrocarbons (TCE reported at concentrations of 1 µg/l to 720 µg/l) potentially originating from the up-gradient former Omar Rendering site and the Otay Landfill have impacted the groundwater at the east adjacent Brandywine Distribution Center sites, and the potential exists that chlorinated hydrocarbons originating from the former Omar Rendering site and the Otay Landfill have impacted the subsurface of the subject property. The Regional Water Quality Control Board (RWQCB), the lead oversight agency, reviewed a 1996 Soil and Groundwater Investigation report for the Brandywine Distribution Center case and in a letter dated November 15, 1996, summarized that volatile organic compounds (VOC) including trichloroethene (TCE), tetrachloroethene (PCE), and methylene chloride (MEC) had been discovered at elevated concentrations in groundwater beneath the sites, but not in the unsaturated soil zone. Even though the RWQCB cited that the former Omar Rendering site and the former Otay Landfill had not been clearly identified as the sources of impacted groundwater beneath the Brandywine Distribution Center, the RWQCB appeared to concur with the consultant's findings including the determination that the source of the impact was not related to historic or present activities at the Brandywine Distribution Center but from up-gradient sources. In the 1996 letter, the RWQCB stated that No Further Action (NFA) was required and that the RWQCB did not intend to pursue regulatory action against the current or former owners of the Brandywine Distribution Center. The case was granted regulatory closure on May 3, 2017. Based on the aforementioned, the potential exists that chlorinated hydrocarbons originating from the former Omar Rendering site and the Otay Landfill have impacted the subsurface of the subject property. The likely presence of subsurface contamination at the subject property is considered a recognized environmental condition.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been

addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- Partner did not identify any environmental issues during the course of this assessment.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 517 Shinohara Lane in the City of Chula Vista, San Diego County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed evidence of recognized environmental conditions and/or environmental issues in connection with the subject property. Based on the conclusions of this assessment, Partner recommends the following:

- The potential for vapor intrusion, from documented contaminants in up-gradient groundwater samples, should be evaluated through a limited subsurface investigation prior to development of the subject property.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 517 Shinohara Lane in the City of Chula Vista, San Diego County, California in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

DRAFT

Sara A. Gengler
Environmental Professional

Reviewed By:

DRAFT

Thomas Petersen, REPA
Senior Project Manager

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13.

Environmental Data Resources (EDR), Radius Report, January 2018

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, January 2018

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, January 2018

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, January 2018

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, January 2018

United States Geological Survey, accessed via the Internet, January 2018

United States Geological Survey Topographic Map 1995, 7.5 minute series, accessed via internet, January 2018

FIGURES

PARTNER

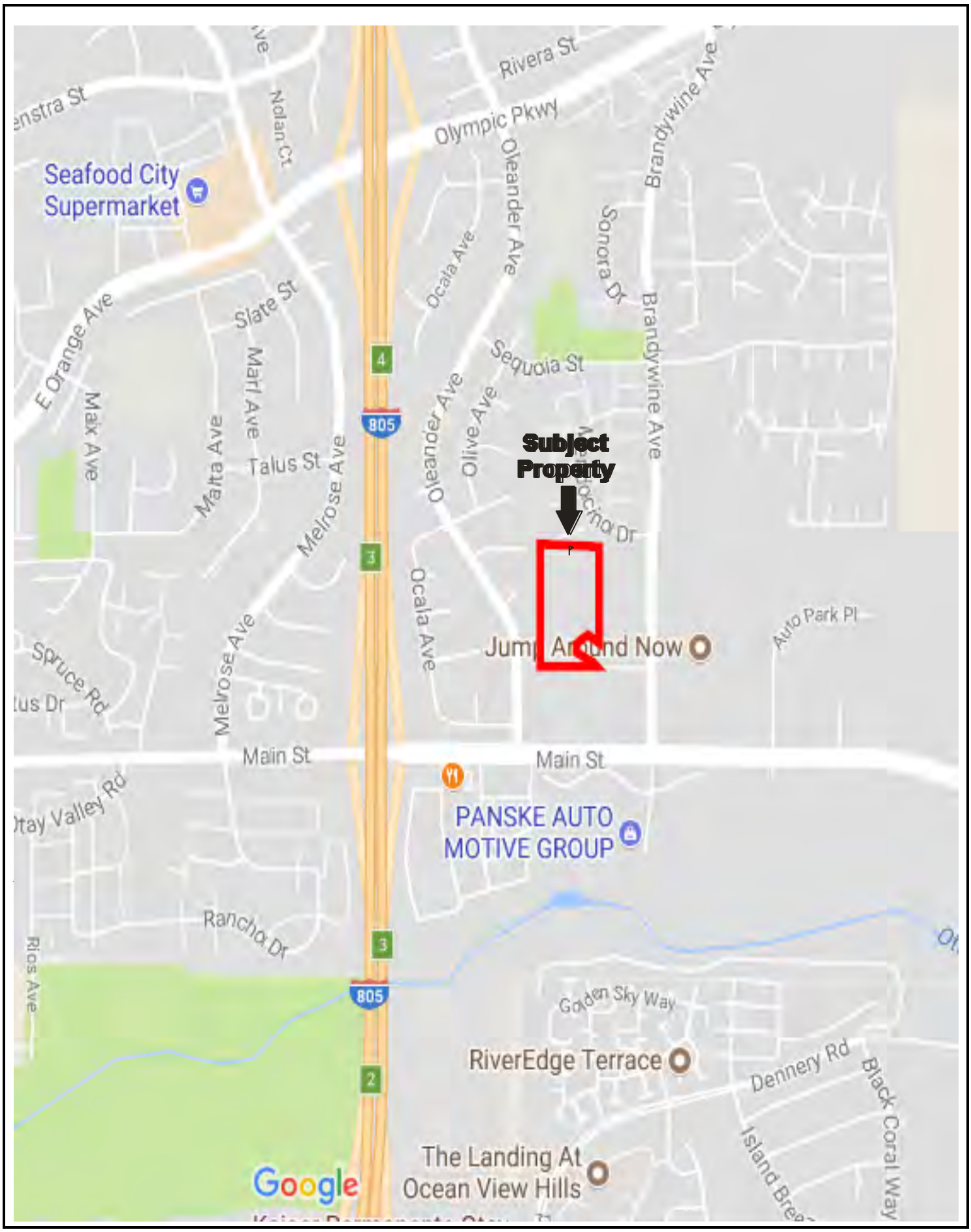


FIGURE 1: SITE LOCATION MAP
Project No. 17-199602.1

Drawing Not To Scale

PARTNER

N

GROUNDWATER FLOW

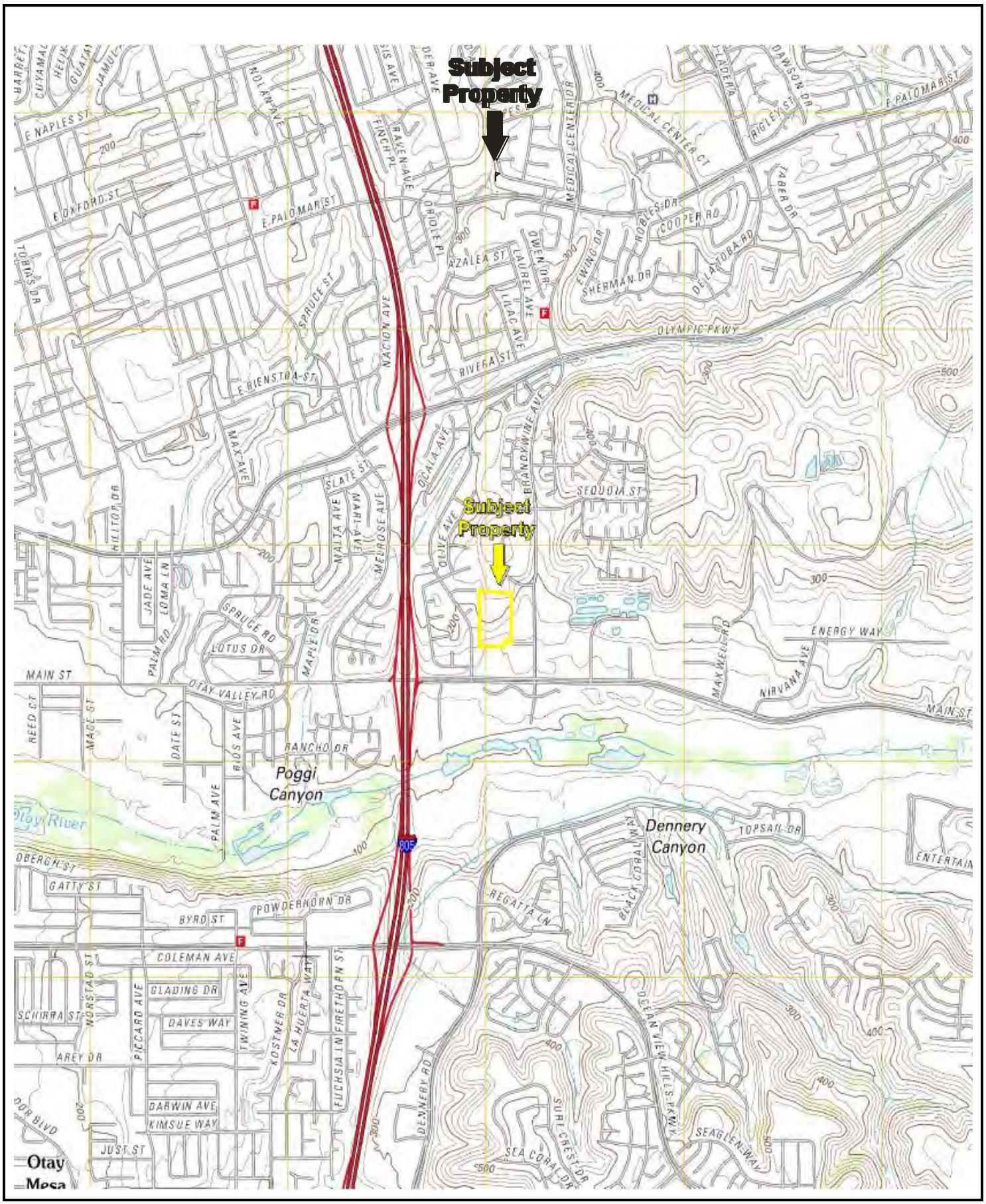
KEY:

Subject Property

FIGURE 2: SITE PLAN

Project No. 17-199602.1

PARTNER



USGS 7.5 Minute *Imperial Beach, CA* Quadrangle Created: 2012

FIGURE 3: TOPOGRAPHIC MAP

Project No. 17-199602.1

PARTNER

APPENDIX A: SITE PHOTOGRAPHS

PARTNER

1. The southeastern entrance to the subject property beyond Shinohara Lane.

2. The southeastern portion of concrete stormwater channels throughout the subject property.

3. The southeastern portion of the subject property.

4. The southernmost portion of the subject property.

5. The southwestern portion of the subject property with west-adjacent single-family homes beyond.

6. The east-central portion of the subject property.

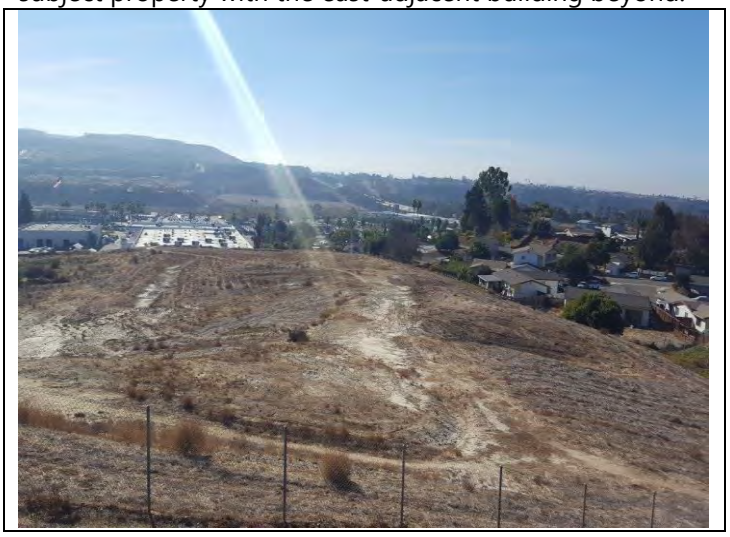
7. The north-central portion of the subject property with the north-adjacent condominium complex beyond.

8. The west-central portion of the subject property with west-adjacent single-family homes beyond.

9. The southeastern portion of the subject property with east-adjacent commercial buildings beyond.

10. Stormwater channel on the central portion of the subject property with the east-adjacent building beyond.

11. The southwestern portion of the subject property with one of two south-adjacent buildings beyond.



12. The north-central portion of the subject property.

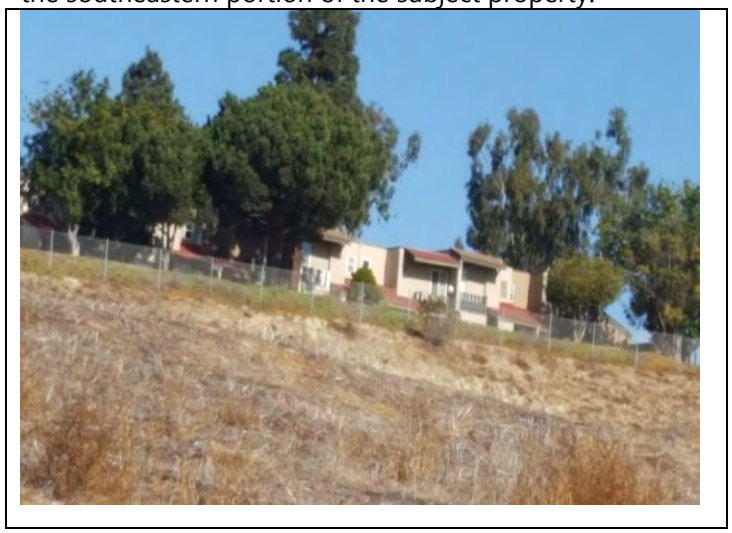
13. The north-central portion of the subject property.

14. The northeasternmost portion of the subject property with the east-adjacent commercial building beyond.

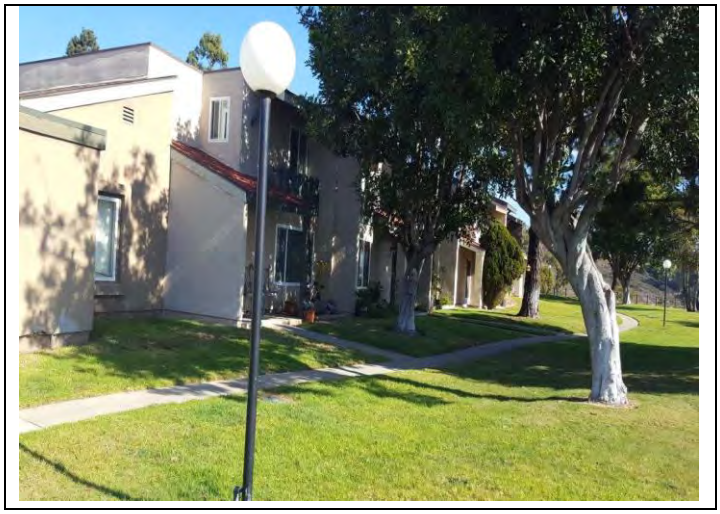
15. East-adjacent Shinohara Lane.

16. The southeast- and south-adjacent properties beyond the southeastern portion of the subject property.

17. West-adjacent single-family homes beyond the northwestern portion of the subject property.



18. North-adjacent residential condominium complex beyond the northern portion of the subject property.



19. North-adjacent residential condominium complex.

20. East-adjacent property beyond the central portion of subject property.

21. The southeast-adjacent property and the south-adjacent property vehicle storage yard.

22. One of two south-adjacent properties.

23. The two south-adjacent properties.

24. West-adjacent single family homes beyond the southwestern portion of the subject property.

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

PARTNER

Industrial Land

517 Shinohara Lane

Chula Vista, CA 91911

Inquiry Number: 5146125.9

December 28, 2017

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

12/28/17

Site Name:

Industrial Land
517 Shinohara Lane
Chula Vista, CA 91911
EDR Inquiry # 5146125.9

Client Name:

Partner Engineering and Science, Inc.
2154 Torrance Blvd, Suite 200
Torrance, CA 90501-0000
Contact: Adrian Rivas

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
1949	1"=500'	Flight Date: February 16, 1949	USDA
1953	1"=500'	Flight Date: April 14, 1953	USDA
1964	1"=500'	Flight Date: April 07, 1964	USDA
1966	1"=500'	Flight Date: November 02, 1966	USGS
1970	1"=500'	Flight Date: March 06, 1970	EDR Proprietary Landiscor
1979	1"=500'	Flight Date: January 27, 1979	EDR Proprietary Landiscor
1985	1"=500'	Flight Date: August 05, 1985	USDA
1989	1"=500'	Flight Date: August 14, 1989	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP

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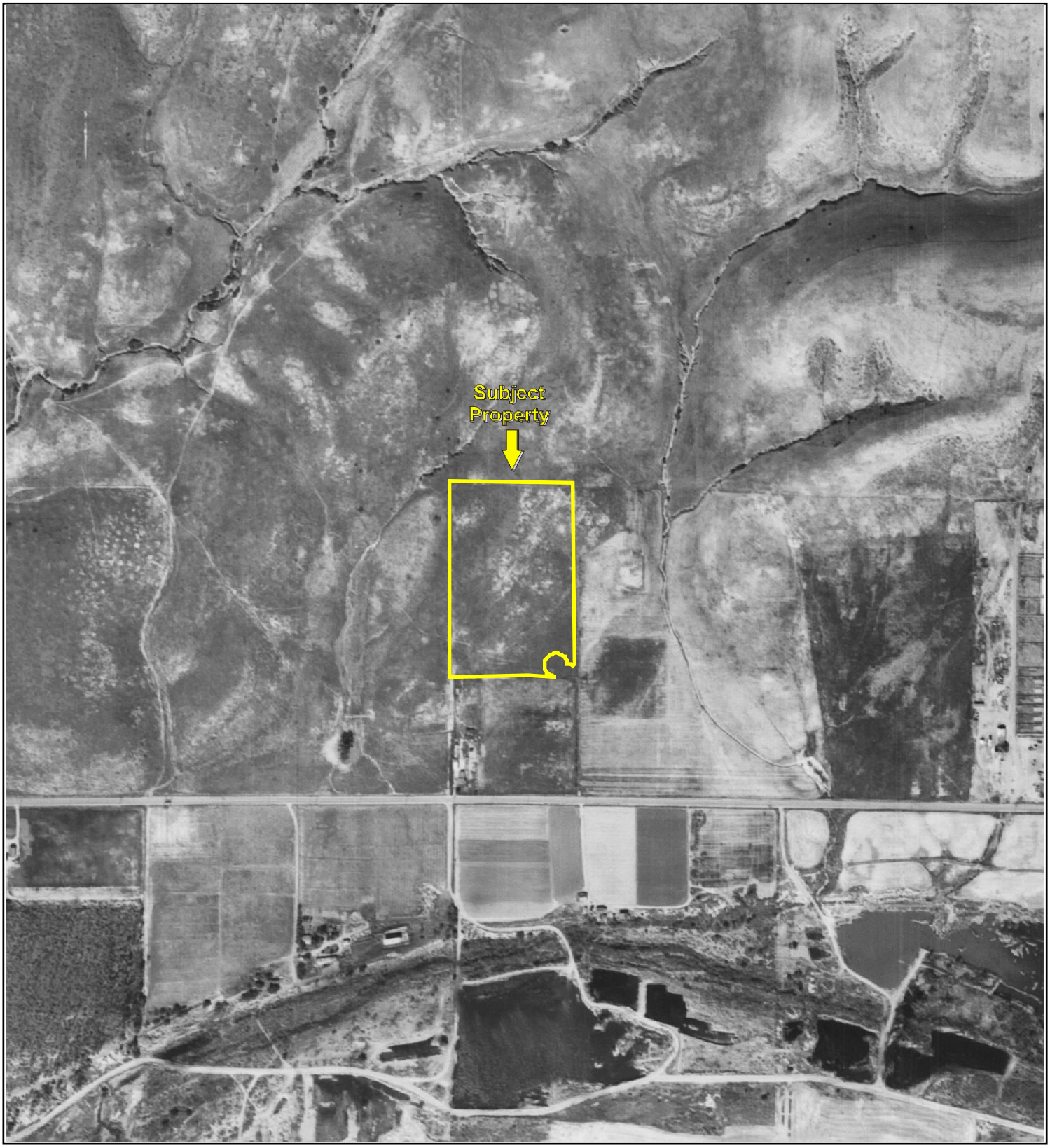

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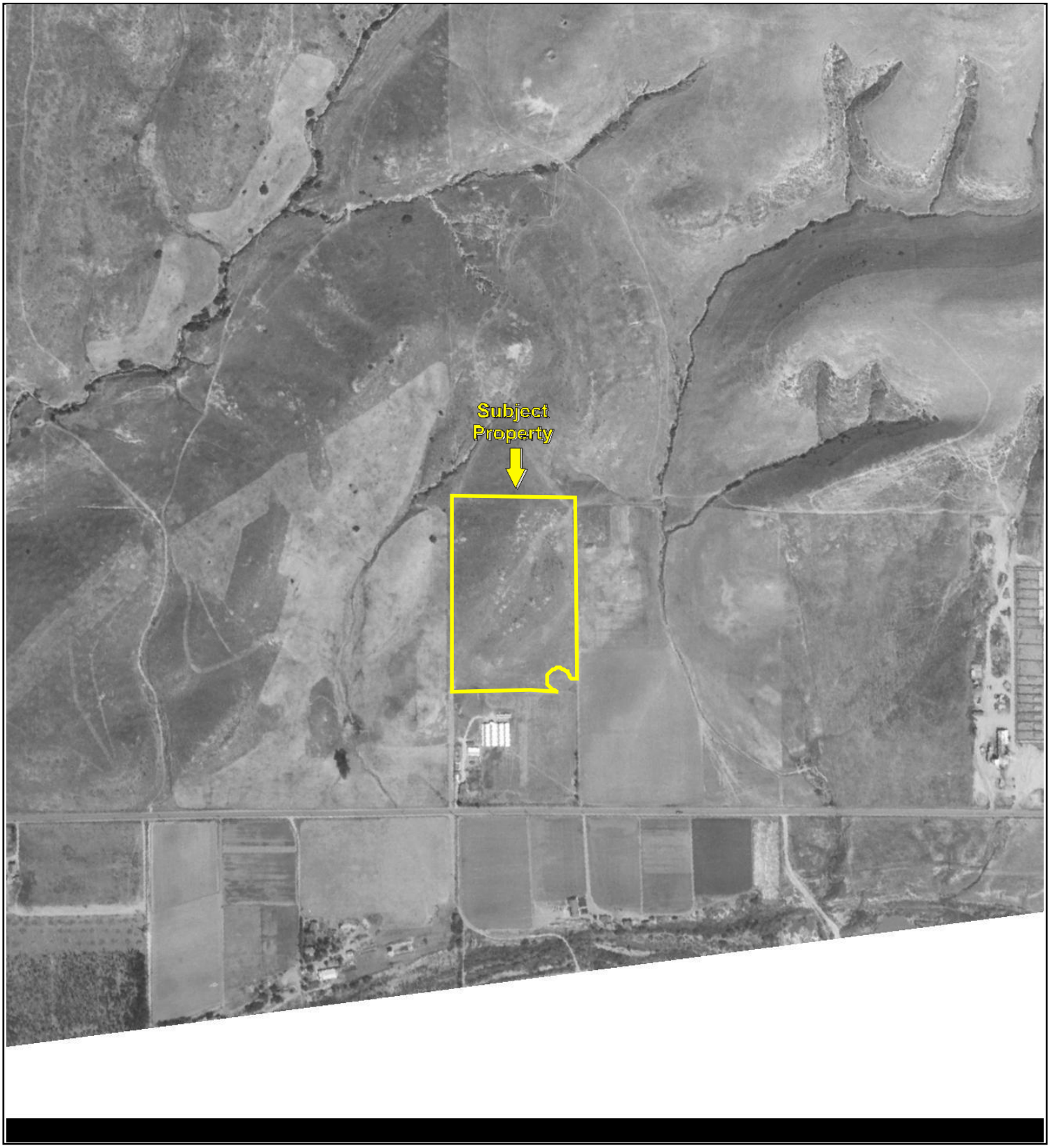

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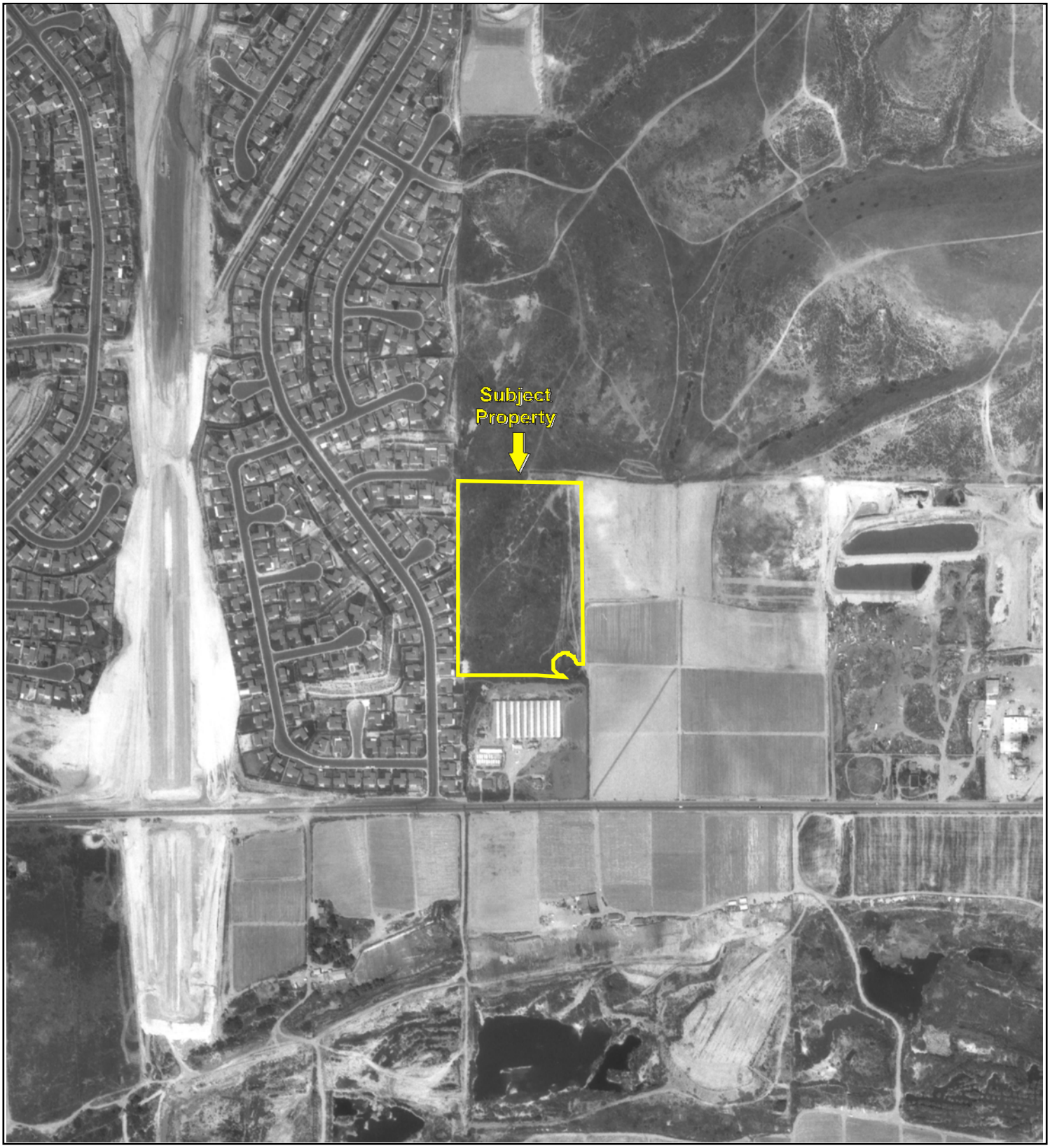

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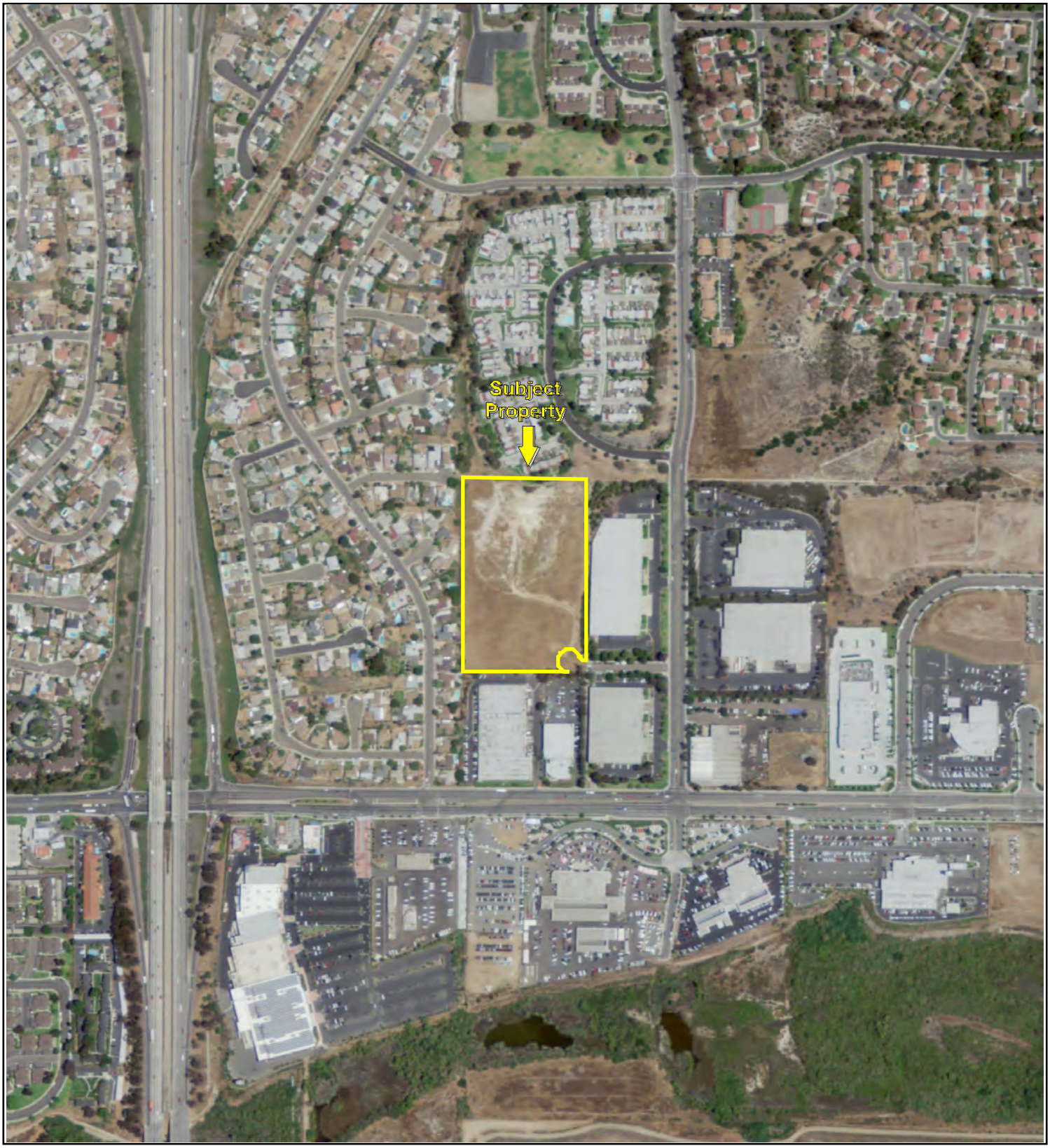

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Key: Subject Property

Aerial Photograph Year: 2012

{0}

500 1000 2000

N

Key: Subject Property

Industrial Land

517 Shinohara Lane

Chula Vista, CA 91911

Inquiry Number: 5146125.4

December 27, 2017

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

12/27/17

Site Name:	Client Name:
Industrial Land	Partner Engineering and Science, Inc.
517 Shinohara Lane	2154 Torrance Blvd, Suite 200
Chula Vista, CA 91911	Torrance, CA 90501-0000
EDR Inquiry # 5146125.4	Contact: Adrian Rivas

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Partner Engineering and Science, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	NA	**Latitude:**	32.597385 32° 35' 51" North
Project:	17-199602.1	**Longitude:**	-117.031519 -117° 1' 53" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	497042.33
		UTM Y Meters:	3606654.88
		Elevation:	202.92' above sea level

Maps Provided:

1904
1930
1943
1953
1975
1991
1996
2012

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1904 Source Sheets

San Diego
1904
15-minute, 62500

1930 Source Sheets

San Diego
1930
15-minute, 62500

1943 Source Sheets

San Ysidro
1943
7.5-minute, 31680

1953 Source Sheets

San Ysidro
1953
7.5-minute, 24000
Aerial Photo Revised 1950

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1975 Source Sheets

Imperial Beach
1975
7.5-minute, 24000
Aerial Photo Revised 1975

1991 Source Sheets

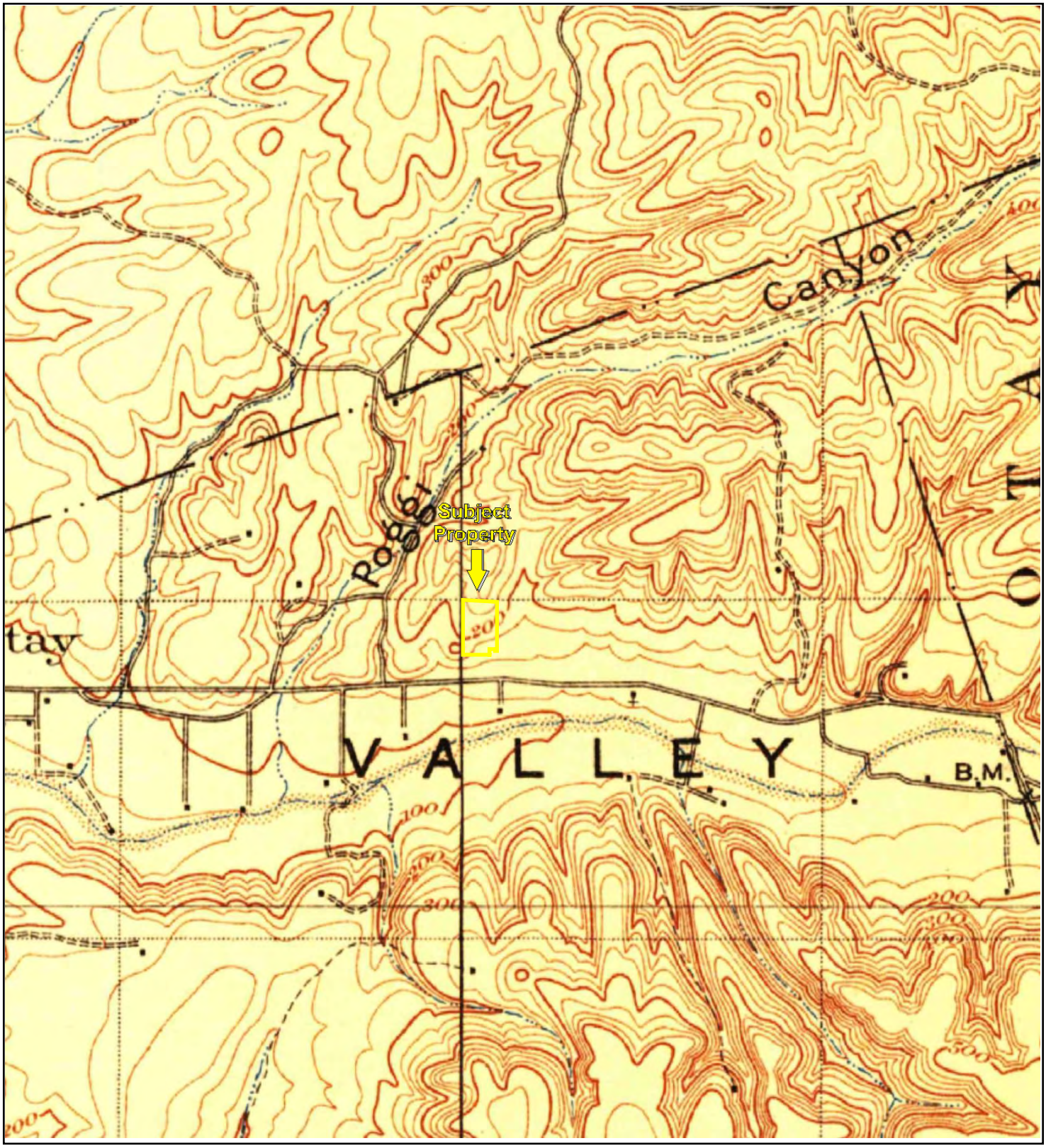
SAN DIEGO
1991
15-minute, 50000

1996 Source Sheets

Imperial Beach
1996
7.5-minute, 24000
Aerial Photo Revised 1996

2012 Source Sheets

Imperial Beach
2012
7.5-minute, 24000



TP, San Diego, 1904, 15-minute

0 Miles 0.25 0.5 1 1.5

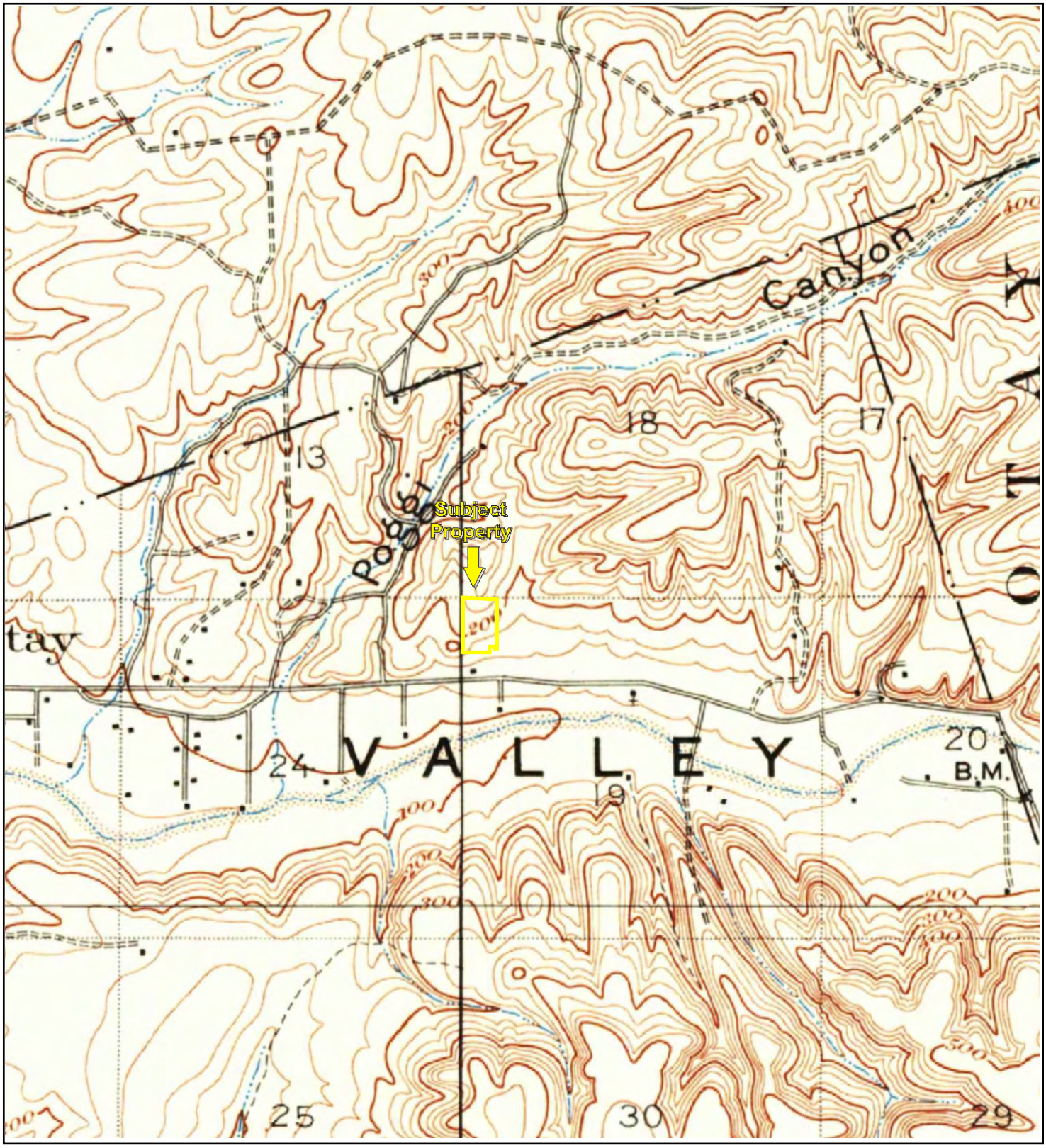
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 17-199602.1

PARTNER



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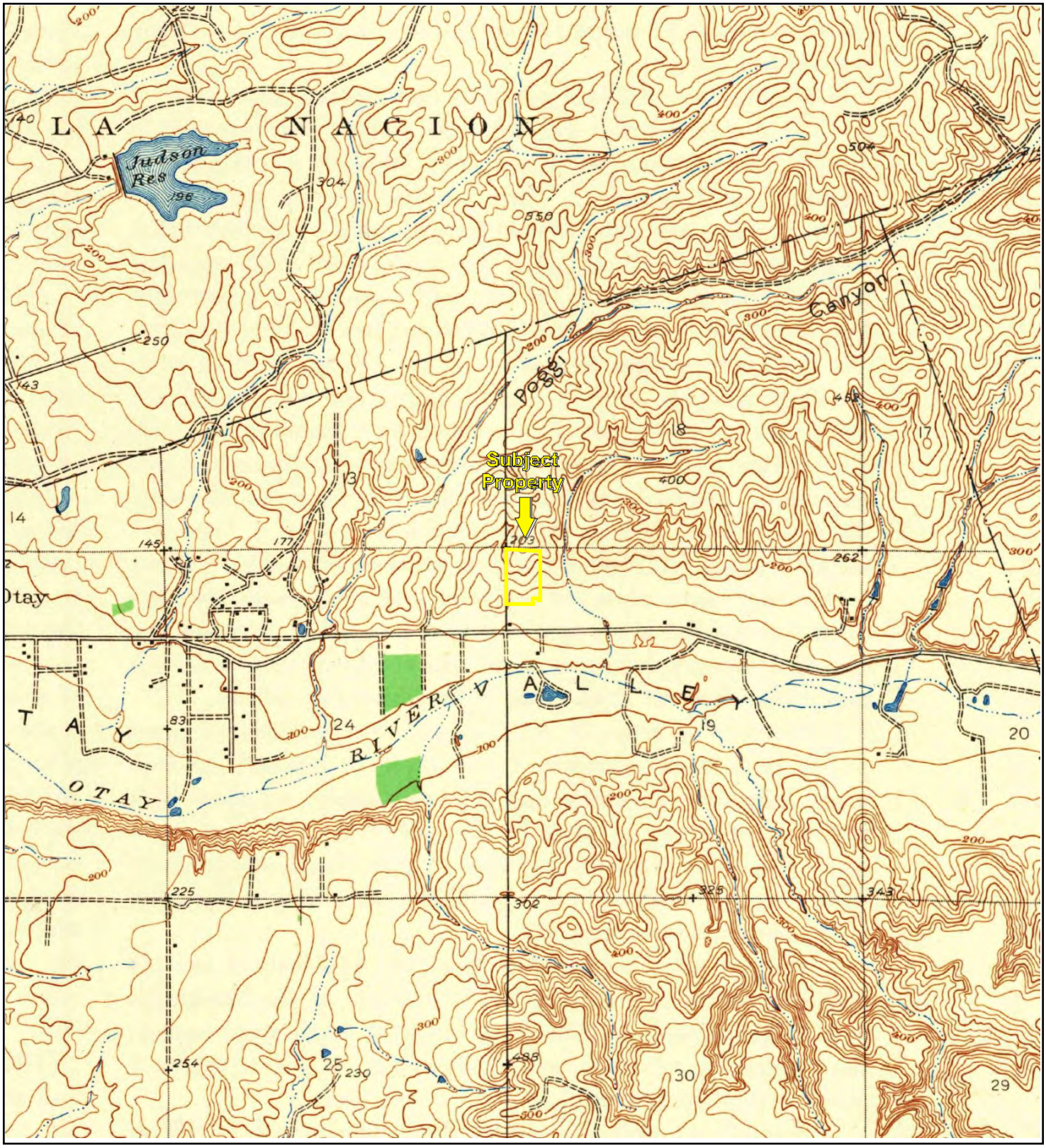
Key: Subject Property



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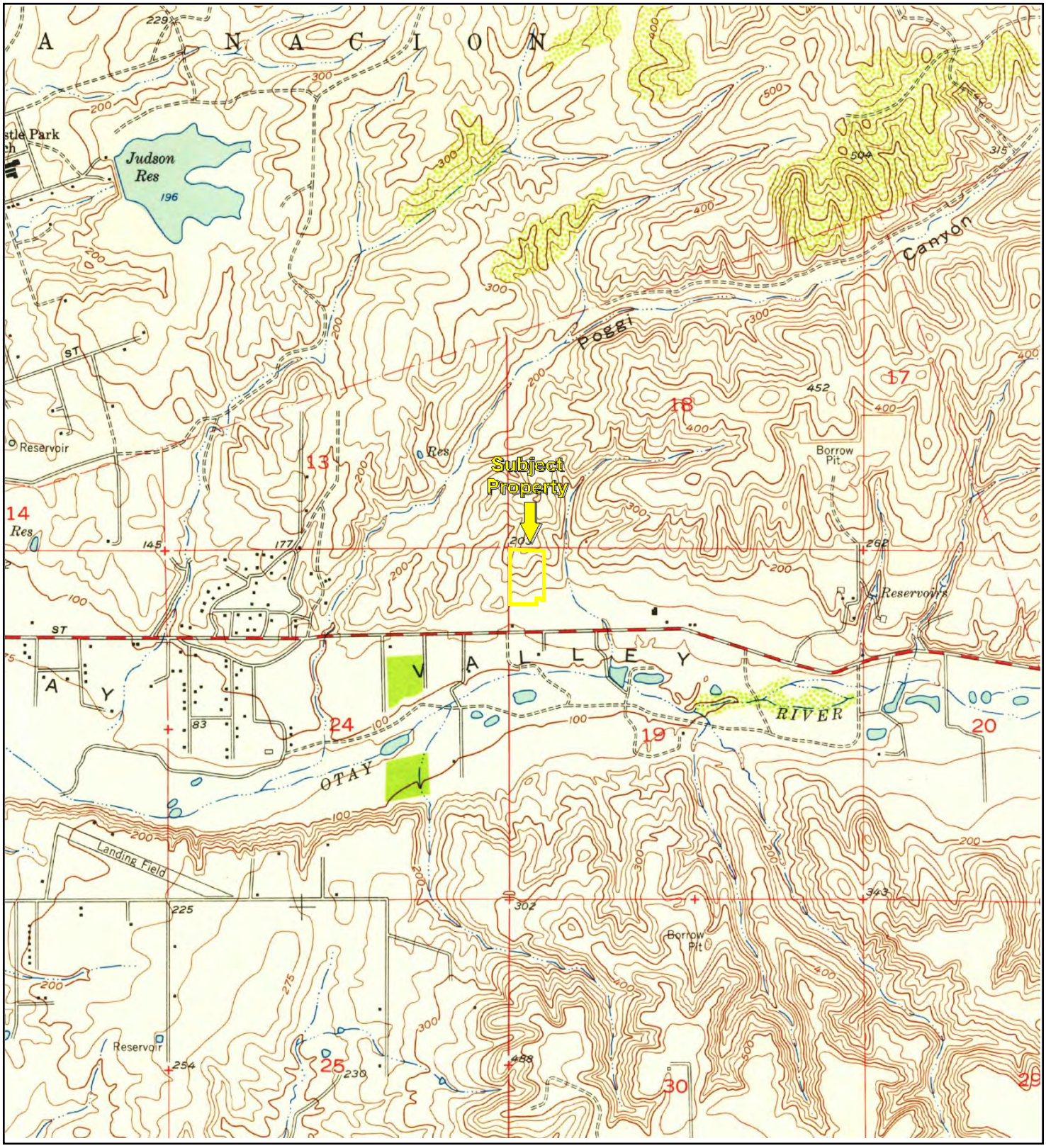
Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 17-199602.1

PARTNER



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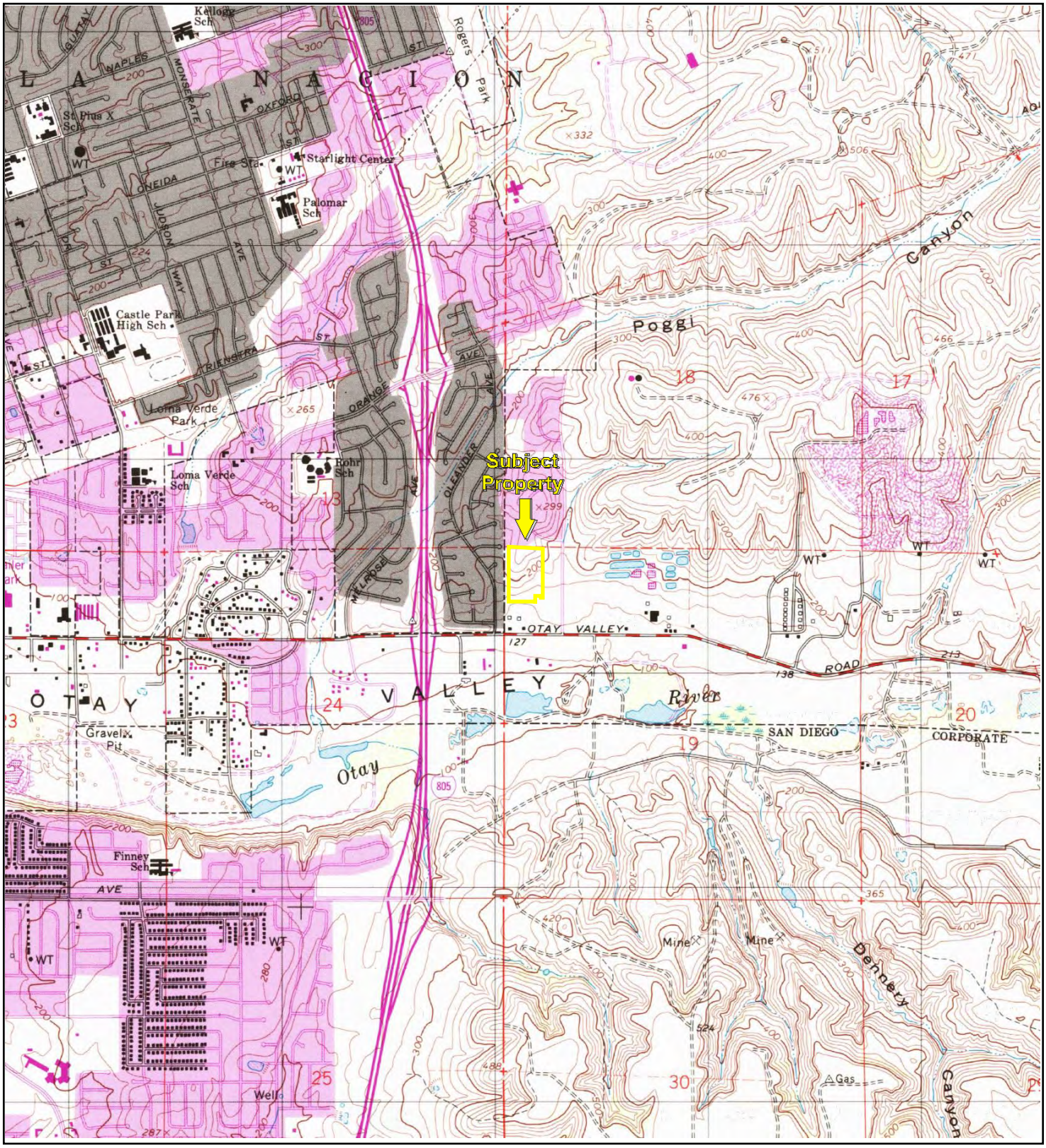
APPENDIX B: Topographic Maps

Project No. 17-199602.1

PARTNER



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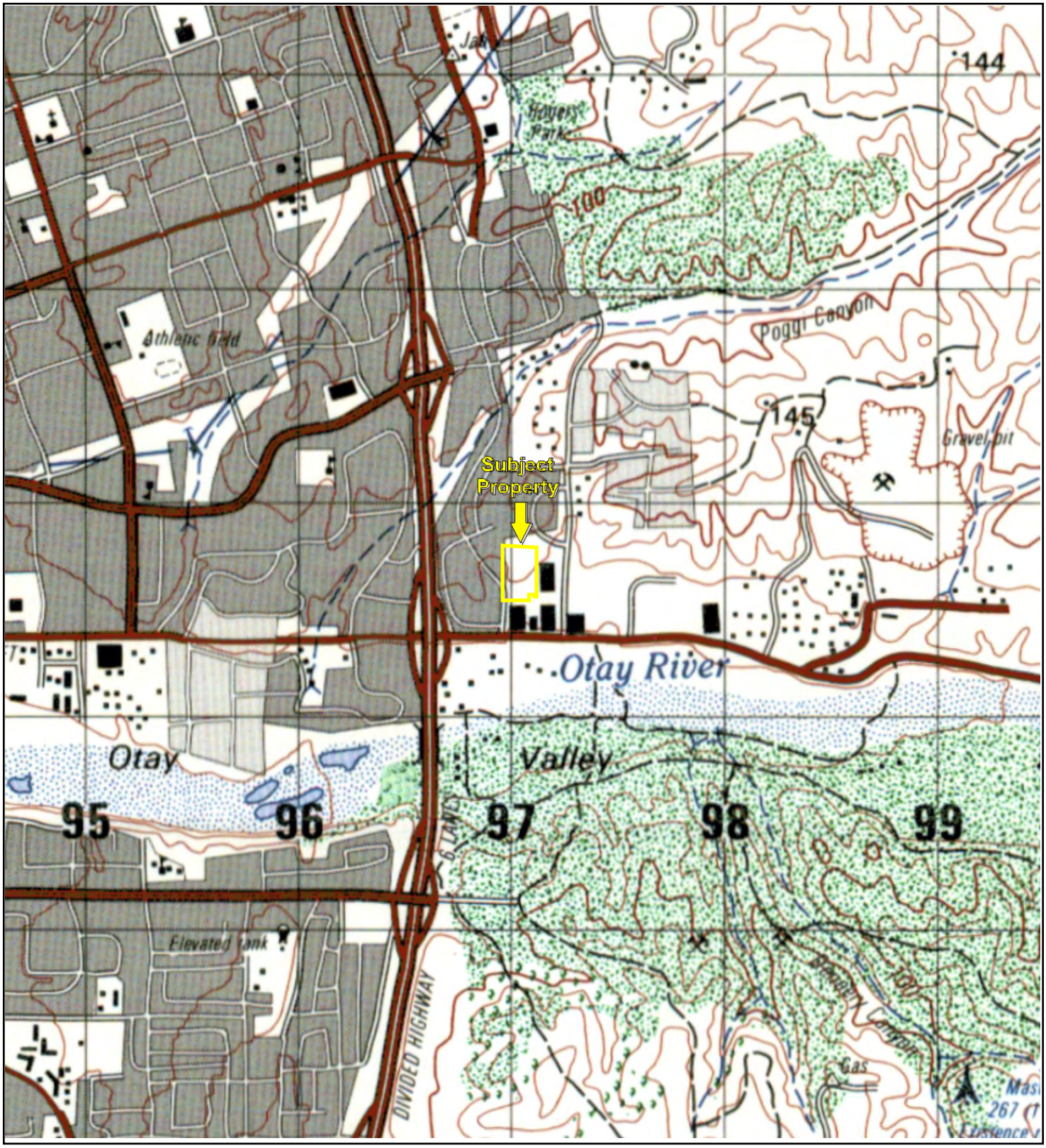
Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 17-199602.1

PARTNER



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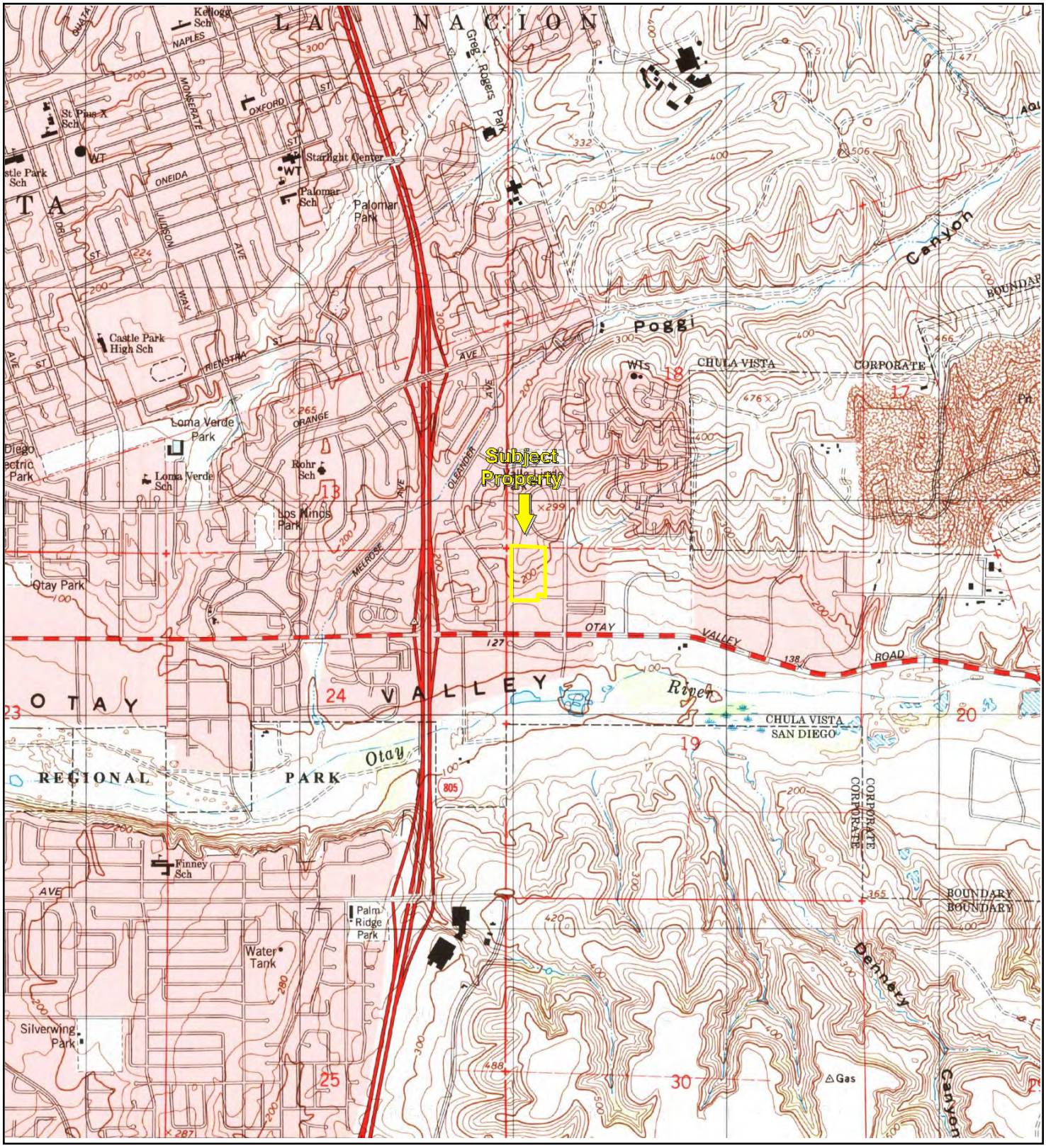
Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 17-199602.1

PARTNER



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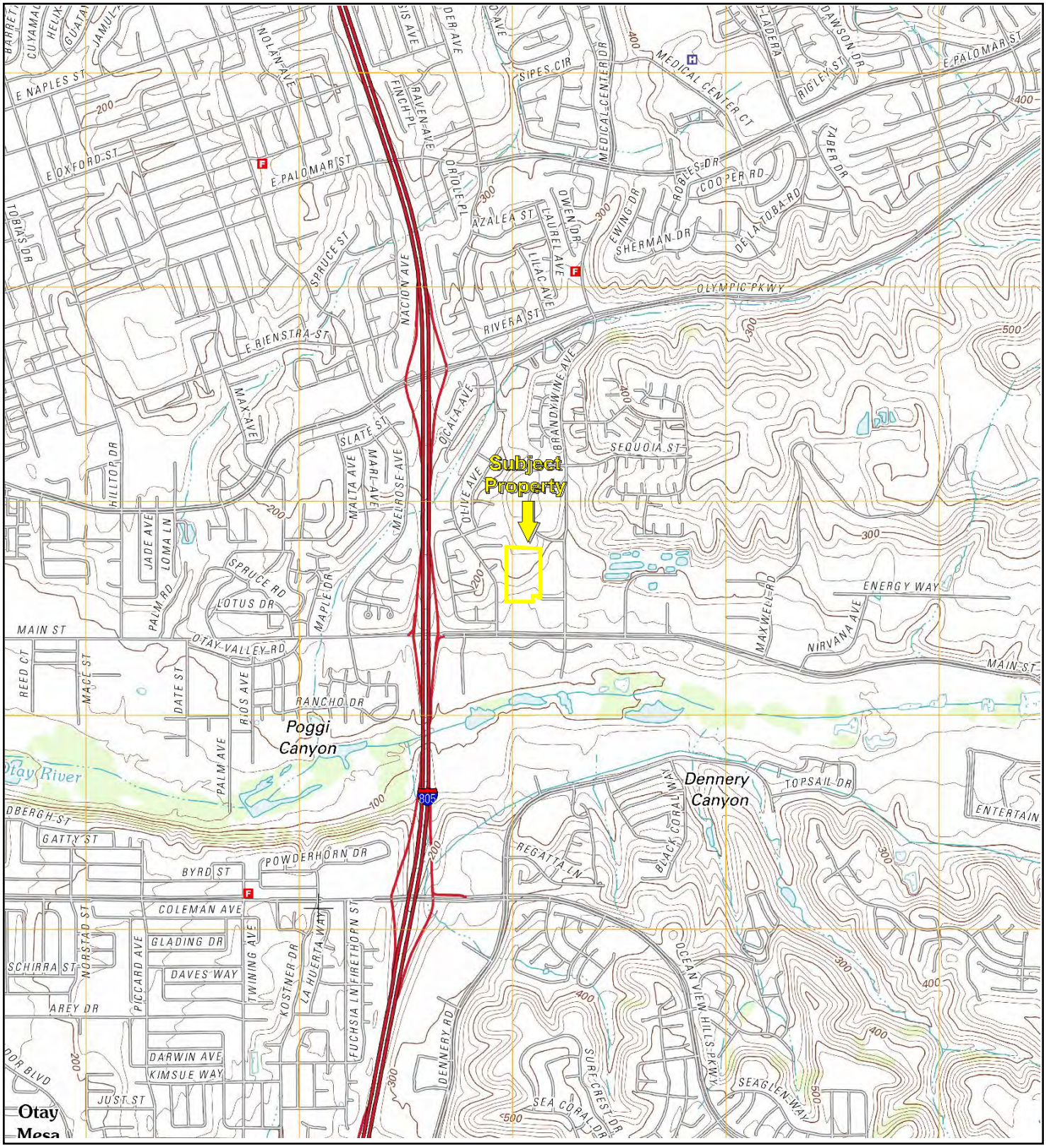
APPENDIX B: Topographic Maps

Project No. 17-199602.1

PARTNER



TP, Imperial Beach, 2012, 7.5-minute

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N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 17-199602.1

PARTNER

Solutions Taking Shape.

RECEIVED
JUL 25 1996
SAN DIEGO REGIONAL WATER
QUALITY CONTROL BOARD

Soil and Ground-water Investigation Brandywine Distribution Center 1670 and 1690 Brandywine Avenue Chula Vista, California

DARLING INTERNATIONAL,INC.
OMAR RENDERING CLASS I LANDFILL
WDR ORDER: 87-141
REPORT FILE: 12 04/96-05/96
06-0215.03 STATUS: C

Prepared for

Chula Vista Industrial Realty, Inc.

May 1996

OGDEN *ENVIRONMENTAL AND ENERGY SERVICES*

5510 Morehouse Drive
San Diego, California 92121

Soil and Ground-water Investigation
Brandywine Distribution Center
1670 and 1690 Brandywine Avenue
Chula Vista, California

Prepared for

Chula Vista Industrial Realty, Inc.
725 South Figueroa Street, 3rd Floor
Los Angeles, California 90017

Prepared by

Ogden Environmental and Energy Services Co., Inc.
5510 Morehouse Drive
San Diego, California 92121
(619) 458-9044

May 1996
Project No. 570920144

TABLE OF CONTENTS

TABLE OF CONTENTS (Continued)

LIST OF FIGURES

LIST OF TABLES

TABLE OF CONTENTS (Continued)

LIST OF APPENDICES

EXECUTIVE SUMMARY

This report presents the results of a limited ground-water and soil investigation conducted by Ogden Environmental and Energy Services Co., Inc. (Ogden) at the Brandywine Distribution Center, located at 1670 and 1690 Brandywine Avenue in Chula Vista, California. The investigation was conducted on behalf of Chula Vista Industrial Realty, Inc. The purpose of the investigation was to verify the presence of ground-water contamination beneath the site, evaluate ground-water flow direction, velocity and gradient, and assess potential sources of identified contamination.

Two previous investigations have been conducted at the site: a Phase I Environmental Site Assessment conducted by BEM Systems, Inc. in March 1994, and a Phase II subsurface environmental investigation conducted by Ceres Environmental in May 1995. Results of the Phase I site assessment indicated that no regulated or hazardous substances were found to be in current use at the site, nor were such substances being disposed of at the site. Previous tenants were primarily product distributors who would not likely use hazardous substances. The Phase II investigation results indicated that halogenated and non-halogenated volatile organic compounds (HVOCs and VOCs) occur in site soil and ground water. The observed soil impacts were located adjacent to the water table and likely associated with ground water contamination. According to the previous Phase I and Phase II investigation results, hazardous substances, especially compounds such as trichloroethene (TCE), tetrachloroethene (PCE), and methylene chloride that were detected in site soil and ground water were not used or likely disposed of at the site. BEM Systems therefore concluded that an offsite source of the observed VOC and HVOC contamination was likely. Known potential offsite sources include the former Omar rendering facility, located approximately 700 feet east of the site (the Omar facility accepted Class 1 liquid industrial wastes from 1959 to 1978), and the Otay Landfill, located approximately one-half mile northeast of the site. Extensive documentation exists in San Diego Regional Water Quality Control Board (SDRWQCB) files that indicates significant TCE and methylene chloride contamination occurs in soil and ground water at the Omar facility.

This limited soil and ground-water investigation, conducted between February 5 and March 13, 1996, included completion and sampling of five soil borings, installation and sampling of five ground-water monitoring wells, analytical testing of soil and ground-water samples, heat pulse flow logging to determine ground water flow direction, gradient and velocity, geochemical evaluation of ground water, and report preparation.

Results of this investigation indicated no detectable soil contamination (VOCs and HVOCs) occurs within the unsaturated zone onsite. However, relatively high VOC and HVOC ground-water contamination was encountered in the central portion of the site, with lower concentrations detected throughout the remainder of the site.

Heat pulse flow logging results from the central portion of the site (MW-03 and MW-04) indicate that ground-water flow in this area of the site appears to be in a generally westward direction. Observed ground-water flow rates ranged from 2.7 to 13.9 feet per day. These measurements are generally consistent with the overall direction of the measured hydraulic gradient. Heat pulse flow logging of outlying wells indicated no measurable flow (MW-01 and MW-05) or variable flow (MW-02).

Results of geochemical analysis of site ground water indicate that site ground water is of poor quality, with generally high total dissolved solids, hardness, electrical conductivity sulfate, and chloride. The ground water is not considered to be a potable water resource by the SDRWQCB (SDRWQCB 1995). One well (MW-02) had considerably lower general minerals results than the others, suggesting a localized freshwater source such as irrigation water or a leaking water line.

Contaminant mobility calculations indicate that a TCE plume originating at the Omar facility could migrate to the subject site within a relatively short time period (0.4 to 2.7 years). Because no evidence indicates that an onsite source of the observed ground-water contamination exists, and based on the results of the ground-water flow direction, velocity and gradient measurements, the most likely source of ground water contamination appears to be the adjacent Omar facility. To be effective, potential ground-water remediation activities would have to be initiated at the offsite contaminant source rather than at the subject site.

SECTION 1
INTRODUCTION AND SITE DESCRIPTION

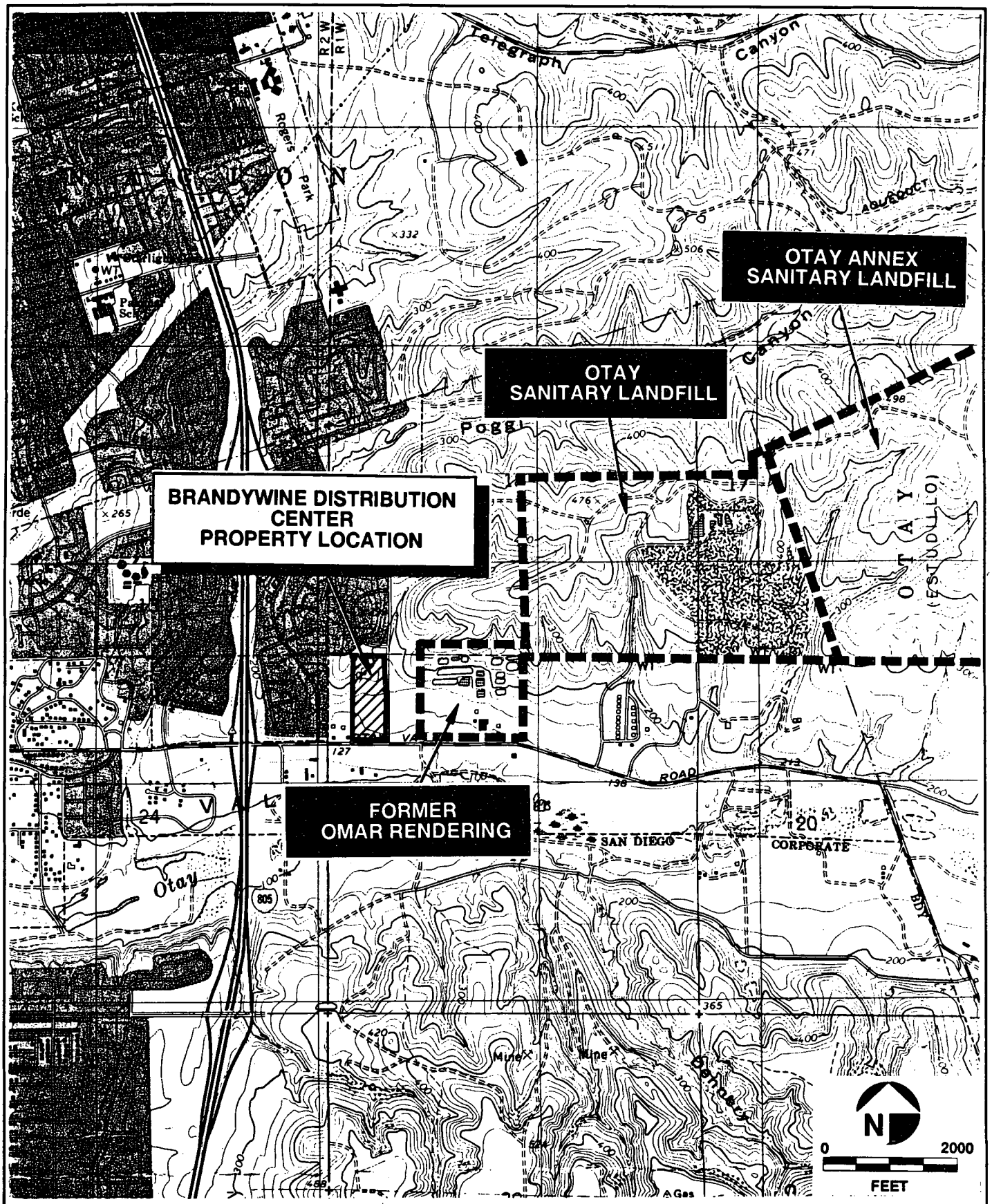
1.1 INTRODUCTION

This report presents results of a limited soil and ground-water investigation conducted at the Brandywine Distribution Center (subject site), located at 1670 and 1690 Brandywine Avenue in Chula Vista, California. A project location map is shown in Figure 1-1. This investigation was conducted by Ogden Environmental and Energy Services Company, Inc., (Ogden) for Chula Vista Industrial Realty, Inc. at the request of Mr. Robert C. Lascelles. The investigation was conducted to verify the presence of ground-water contamination beneath the subject site, evaluate ground-water flow direction, velocity, and gradient, and assess potential sources of the identified contamination.

This report includes an introduction and site description (Section 1); a discussion of previous investigations conducted at the subject site (Section 2); field investigation activities (Section 3); investigation results and discussion (Section 4); conclusions and recommendations (Section 5); references (Section 6) and limitations (Section 7).

1.2 SITE DESCRIPTION

The subject site is located along the west side of Brandywine Avenue, immediately north of Otay Valley Road, in Chula Vista, California (Figure 1-1). According to a previous Phase I Environmental Site Assessment performed for the property, the site consists of two rectangular parcels with a combined area of 9.84 acres (BEM 1994). The subject property contains two commercial/light industrial buildings located at 1670 and 1690 Brandywine Avenue, located across Shinohara Lane from each other. The majority of the site is paved with asphalt, with landscaping around the edges of the site. The site generally slopes from north to south and ranges in elevation from approximately 175 feet above mean sea level (MSL) along the northern boundary to approximately 130 feet MSL along the southern site boundary.



SOURCE: USGS 7.5' Imperial Beach Quadrangle, 1967 (Photorevised 1975)

OGDEN

Project Location Map

FIGURE

1-1

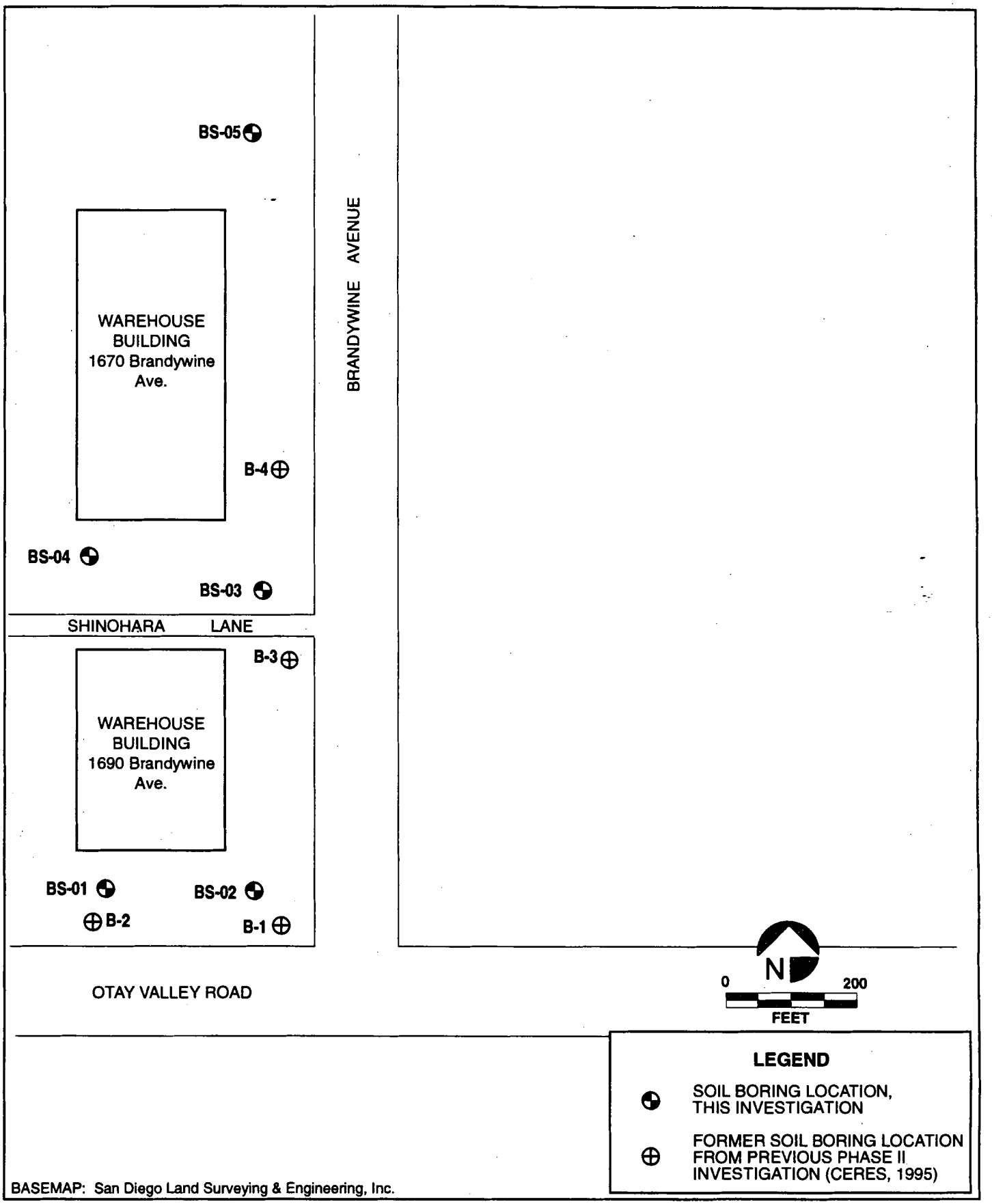
SECTION 2
PREVIOUS INVESTIGATIONS

Two previous environmental investigations have been conducted at the subject site, including a Phase I Environmental Site Assessment and a Phase II subsurface soil assessment. BEM Systems, Inc. (BEM) conducted a Phase I investigation in March, 1994. The purpose of the Phase I investigation was to identify existing or potential environmental hazards and to recommend whether further investigation would be warranted.

According to the Phase I report, the site was believed to be previously undeveloped. Based on a site reconnaissance and interviews with current building tenants, no regulated or hazardous substances were found to be in current use at the site, nor were such substances being disposed of at the site. According to the property manager, previous tenants were primarily product distributors who would not likely use hazardous substances. Current tenants were reported to be involved in the sale or distribution of lumber, hardware, dried flowers, halogen lamps, and Easter baskets, and would not be likely to use hazardous substances (BEM 1994).

A Phase II subsurface environmental investigation conducted by Ceres Environmental (CERES) in May, 1995, provided data indicating that soil and ground water beneath the subject site contains halogenated and non-halogenated volatile organic compounds (HVOCs and VOCs). Four soil borings were excavated on May 12 and 15, 1995, as shown in Figure 2-1. Soil samples collected at the soil/ground-water interface from borings B-1, B-3, and B-4 were submitted to an analytical laboratory for analysis (refusal on large cobbles was encountered in B-2 prior to reaching ground water). Ground-water samples were also obtained from soil borings B-1, B-3, and B-4. Table 2-1 presents the analytical results for soil and ground water.

CERES concluded that the most likely source of the observed HVOCs and VOCs in soil and ground water was the former Omar Rendering (Omar) site, located approximately 700 feet east of the subject site. The Omar site is described in the 1994 BEM Phase I report as being listed in the CORTESE, CERCLIS, CALSITES, and SWIS environmental databases. According to files reviewed by CERES at the San Diego Regional Water Quality Control Board (SDRWQCB), the Omar Rendering facility accepted Class I liquid industrial wastes from 1959 to 1978. These liquids, which included organic solvents,



OGDEN

Soil Boring Locations for Present and Previous Investigation

FIGURE

2-1

X:\GRAPHICS\BRANDYWIN\BASEMAP.FH5

Table 2-1

ANALYTICAL RESULTS FROM PREVIOUS PHASE II SUBSURFACE INVESTIGATION

Analyte	B-01-50 (soil)	B-04-70 (soil)	B-01-W-01 (ground water)	B-03-W-02 (ground water)	B-04-W-03 (ground water)
Trichloroethene (TCE)	<5 µg/l	59 µg/kg	470 µg/l	680 µg/l	430 µg/l
Tetrachloroethene (PCE)	<5 µg/l	<5 µg/l	12 µg/l	14 µg/l	11 µg/l
1,1-dichloroethene	<5 µg/l	<5 µg/l	32 µg/l	46 µg/l	8.2 µg/l
1,1-dichloroethane (DCA)	<5 µg/l	5 µg/kg	25 µg/l	<5 µg/l	27 µg/l
1,1,2-trichloroethane	<5 µg/l	<5 µg/l	19 µg/l	17 µg/l	<5 µg/l
1,2-dichloroethane	<5 µg/l	<5 µg/l	4 µg/l	6 µg/l	<5 µg/l
cis-1,2-dichloroethene	<5 µg/l	<5 µg/l	<5 µg/l	3 µg/l	<5 µg/l
Methylene chloride	<20 µg/l	<20 µg/l	<5 µg/l	<20 µg/l	10 µg/l
Chloroform	<5 µg/l	<5 µg/l	7.9 µg/l	11 µg/l	4.3 µg/l
Benzene	<5 µg/l	<5 µg/l	<5 µg/l	3.1 µg/l	<5 µg/l
Total xylenes	6.2 µg/kg	<5 µg/l	<5 µg/l	<5 µg/l	<5 µg/l

Source: CERES 1995

µg/kg	micrograms per kilogram
µg/l	micrograms per liter
<5	Indicates laboratory detection limit
B-01-50	Boring (B) - Boring Number (01) - Depth Below Ground Surface (50 feet)
B-03-W-02	Boring (B) - Boring Number (03) - Water Sample (W) - Sample Number (02)

were stored in large surface impoundments in the northern portion of the site (CERES 1995).

Based on the proximity of the Omar site to the subject property, the period of time that evaporation ponds were in operation, and the anticipated southwestward ground-water flow direction, CERES concluded that the adjacent Omar site was most likely the source of ground-water contamination beneath the subject site. The Otay Landfill, located approximately 1/2 mile northeast of the subject property, was also identified as a possible secondary contamination source (CERES 1995).

Files reviewed by Ogden at the Site Assessment and Mitigation (SA/M) Division of the County of San Diego Department of Environmental Health indicate that ground-water contamination beneath the Omar site is well documented. A site investigation report for the Omar site by Dames and Moore (1989) indicates that trichloroethene (TCE) was detected in 7 of 9 ground-water monitoring wells at concentrations ranging from 3 to 1,100 parts per billion (ppb). In addition, several metals were detected in ground-water samples, with mercury and selenium exceeding primary drinking water standards in several monitoring wells. An annual ground-water monitoring report by Dames and Moore (1995) indicates that TCE concentrations as high as 3,000 micrograms per liter (µg/l) were measured in ground water beneath the Omar site between 1989 and 1994. A 1996 addendum to the 1989 Dames and Moore report by Risk-Based Decisions, Inc. indicates that a ground-water TCE concentration of 21,000 µg/l was measured in a monitoring well located within the area occupied by the former southwestern surface impoundment at the Omar site.

Available SA/M files were also reviewed for the property occupied by Hyspan Precision Products, Inc. This property is located at 1685 Brandywine Avenue, directly east of the subject site on the eastern side of Brandywine Avenue. According to the County of San Diego Compliance Inspection Report, a single 1,000-gallon diesel fuel underground storage tank (UST) was removed from the property in February, 1986. No indication of soil or ground-water contamination was apparent in the tank excavation. In addition, a 1994 Compliance Inspection Report for the Hyspan property indicates that onsite machinery was observed to be leaking oil to the ground. Available records did not indicate that any other hazardous materials releases, leaks, or removals have been reported at this property. Based on these records, the Hyspan property does not appear to be a possible source for HVOCs and VOCs detected in ground water at the subject site.

SECTION 3
FIELD INVESTIGATION ACTIVITIES

The current field investigation activities were performed by Ogden at the subject property between February 5 and March 13, 1996. The activities included a subsurface utility detection survey; drilling and soil sampling; installation, development, and sampling of monitoring wells; land surveying; heat-pulse flow logging; and management of investigation-derived waste (IDW). The following sections describe these activities.

3.1 UNDERGROUND UTILITY CHECK AND UTILITY DETECTION SURVEY

Underground Service Alert (USA) was contacted prior to commencement of field activities. All utility companies contacted by USA indicated that no underground utilities were present in the direct vicinity (i.e., within 5 feet) of proposed boring/monitoring well locations.

An underground utility detection survey was conducted by Underground Location Services Company (ULS) of La Jolla, California, on February 5, 1996. The underground utility survey was conducted to locate and identify underground cables, pipes and utilities at each boring location. ULS performed an Electromagnetic Pipe and Cable Location (EMPCL) conductive utility survey, which utilized passive, ground induction and connection modes. ULS also conducted an Electromagnetic Induction (EMIND) sweep for potential metal mass interference. A 10-foot radius around each boring was investigated. No anomalous readings or underground utilities were identified at any of the five boring locations surveyed. The utility detection survey report by ULS is included in Appendix A.

3.2 SOIL SAMPLING

Soil sampling activities were conducted on February 10 and 11, and on February 17 and 18, 1996. Valley Well Drilling of Ventura, California, provided the drilling services. A total of five soil borings were conducted to depths ranging from 56.5 to 91 feet below ground surface (bgs). Soil boring locations BS-01 through BS-05 are shown in Figure 2-1. Three borings were conducted at 1670 Brandywine Avenue and two were conducted at 1690 Brandywine Avenue.

Soil borings were conducted using a Failing F-6 drill rig equipped with 8-inch (outside diameter) hollow-stem augers. Soil cuttings were examined every 10 feet to identify

changes in lithology, soil moisture, and organic vapor concentrations. Soil sampling was accomplished using a California Modified 1 3/8" inside diameter split-spoon sampler equipped with three 6-inch brass sleeves. Soil samples were obtained by driving the sampler with a 140-pound hammer dropped from a height of 30 inches in accordance with ASTM D 1586. Two to three split-spoon samples were collected from each boring, for a total of 13 samples. Sample locations were selected to include at least one sample each from the unsaturated and saturated zones.

The ends of the sample sleeves were covered with Teflon tape, capped, labeled, and placed immediately on ice. Headspace vapor analysis was performed as a field screening technique for assessing whether organic contaminants were present in soil samples. This was done by first placing a portion of the soil sample or cuttings into a zip-lock plastic bag. After the bag was allowed to remain in the sun for several minutes, an H-Nu™ photoionization detector (PID) was used to measure organic vapor concentrations within the plastic bag. Soil classification and sampling activities were conducted by a State of California Registered Geologist. Soils were logged using the Unified Soil Classification System (USCS) in accordance with ASTM D 2488. Soil boring logs are included in Appendix A, along with a description of the USCS.

All drilling equipment was decontaminated using a hot-water high pressure washer system prior to the commencement of field activities and between each boring. Field sampling equipment (e.g., split-spoon samplers, sleeves, caps, etc.) was decontaminated prior to sampling and between each sample using Ogden's standard decontamination procedures, which include a wash in a laboratory grade detergent, potable water rinse, isopropyl alcohol spray, potable water rinse, and distilled water rinse. All decontamination fluids were containerized in DOT approved 55-gallon drums and temporarily stored onsite pending sampling results.

3.3 MONITORING WELL INSTALLATION

The five soil borings (BS-01 through BS-05) were converted to monitoring wells (MW-01 through MW-05) following soil sampling activities. A two-inch polyvinyl chloride (PVC) ground-water monitoring well was installed in each boring. Well screens consisted of slotted PVC with 0.010-inch slot size. Well screen sections were 20 feet in all monitoring wells except MW-01, in which a 30-foot section of well screen was installed due to a large amount of ground-water rise following drilling activities. All installation procedures were

conducted in accordance SA/M Division requirements as specified in the 1996 SA/M Manual. Surface completions for each well consisted of a flush-mounted traffic box finished with a Class A cement surface seal in accordance with SA/M requirements. Monitoring-well construction was overseen by a State of California Registered Geologist. Well construction logs are included in Appendix A.

Following installation, each monitoring well was developed in accordance with SA/M division requirements. A surge and bail method was used to develop the monitoring wells. Each well was surged with a surge block for a minimum of 20 minutes, after which ground water was removed with a bailer. Purged water was monitored for pH, temperature, turbidity and electrical conductivity. The process of alternately surging the well and removing ground water with a bailer was continued until the parameters stabilized and until ground water became substantially less turbid. All purged water was drummed in DOT approved 55-gallon drums and temporarily stored onsite. Appendix A contains the monitoring-well development records.

3.4 GROUND-WATER SAMPLING

Ground-water samples were collected from monitoring wells MW-01 through MW-05 on February 27, 1996, in accordance with SA/M Division requirements, following a minimum 72-hour period after monitoring well development. Prior to sampling, depths to ground water were measured and each monitoring well was purged by pumping with a 2-inch Grundfos™ submersible pump, which was decontaminated prior to use and between monitoring wells. Purged water was monitored for temperature, pH, and conductivity. Purging was continued until these parameters stabilized with successive measurements. Well development and purge records are included in Appendix A. Purge water was contained and stored onsite in 55-gallon DOT-approved drums. Ground-water samples were collected from each well with disposable polyethylene bailers.

3.5 SOIL AND GROUND-WATER SAMPLE ANALYSIS

Soil and ground-water samples collected for analysis were delivered with proper chain-of-custody documentation to CKY Inc. Analytical laboratories, in Torrance, California. Soil samples were analyzed for halogenated and non-halogenated VOCs using EPA methods 8010/8020 and for Total Organic Carbon (TOC) using EPA method 90-3.2 ASA. All thirteen soil samples collected were submitted for analysis.

Ground-water samples were analyzed for halogenated and non-halogenated VOCs using EPA methods 8010/8020, and for general chemistry constituents and metals (various EPA Methods). Five ground-water samples were submitted for analysis. Complete copies of original analytical laboratory reports for soils and ground water are included in Appendix B.

3.6 Surveying and Depth to Ground-water Measurements

San Diego Land Surveying & Engineering, Inc. was subcontracted to survey the monitoring well elevations. Monitoring wells were surveyed to a vertical accuracy of 0.01-foot using a bench mark reference to mean sea level. All monitoring wells were surveyed at a notch located at the top of the PVC casing to provide a datum for water-level measurements. Depth to ground water was measured in each monitoring well on February 27, 1996, prior to ground-water sampling activities. Ground-water depths were measured with respect to the notch at the top of the PVC casing using a Solinst Model 101 water-level meter.

3.7 Heat-pulse Flow Logging

Heat-pulse flow (HPF) logging was performed at the subject site on March 12 and 13, 1996, using a Model 200 GeoFlo™ ground-water flow meter. A heat-pulse flow meter is a hydrological logging device used to determine ground-water flow direction and velocity in monitoring wells and open boreholes. A heat-pulse flow meter operates by emitting a heat pulse and measuring subsequent temperature changes in the ground water as a result of the ground-water movement. Direct small-scale ground-water velocity and flow direction measurements can therefore be made within a single well. An article (Gutherie 1986) describing the use of a heat-pulse flow meter is included in Appendix C.

Ground-water velocities and flow directions were directly measured in MW-02, MW-03, and MW-04. Ground-water flow measurements were conducted at two different depths in each monitoring well. A minimum of four velocity measurements were collected at each depth and averaged to provide a mean ground-water flow velocity measurement and error range. Measurable ground-water flow was not detected in MW-01 and MW-05. Ground-water flow direction measurements were referenced to magnetic north and subsequently corrected to true north.

3.8 MANAGEMENT OF INVESTIGATION-DERIVED WASTE

A total of 41 55-gallon DOT-approved drums of investigation-derived waste (IDW) were generated during this investigation. Drum contents include soil cuttings, purge water, decontamination water, unused grout, and asphalt. Other IDW, including used tyvek coveralls, nitrile gloves, used headspace bags, and plastic sheeting, were double-bagged, sealed, and disposed of as municipal waste. Drums were labeled, sealed, and stored temporarily onsite pending analytical results. Details of IDW disposal will be provided in a separate report.

SECTION 4
INVESTIGATION RESULTS AND DISCUSSION

4.1 GENERAL GEOLOGIC CONDITIONS

According to the Phase II report by CERES (1995), the subject site is underlain by river terrace deposits of Holocene age (less than 11,000 years old). These deposits are underlain by Pliocene-age (less than 5 million years old) deposits of the San Diego Formation (Kennedy and Tan 1977; Kuper and Gastil 1977). The terrace deposits are described as unconsolidated sand, gravel, and clay derived from older geologic units. The San Diego Formation consists of yellowish-brown to reddish-brown, fine- to medium-grained marine sandstone.

The closest mapped fault is the La Nacion fault zone. A strand of the La Nacion fault zone has been mapped as trending approximately north-south in the general vicinity of Brandywine Avenue adjacent to the eastern edge of the subject site (Kennedy and Tan 1977; Kuper and Gastil 1977). This fault strand is presently considered to show evidence of offset during Quaternary time (last 1.6 million years) but not during Holocene time (Jennings 1994).

4.2 REGIONAL GROUND-WATER CONDITIONS

The subject site is located within the Otay Valley Hydrologic Area (HA) of the Otay Hydrologic Unit of the San Diego Drainage Province (SDRWQCB 1995). Ground water within the Otay HA generally flows from east to west, along the course of the Otay River, toward San Diego Bay. Ground-water quality in portions of the Otay HA is considered to be of poor quality due to high total dissolved solids (TDS) and elevated chloride concentrations. High chloride content may be due partially to the presence of connate water and dissolved salts within marine sediments (Dames and Moore 1989). According to the current Water Quality Control Plan for the San Diego Basin (the Basin Plan), the subject site lies within a portion of the Otay Hydrologic Unit that is designated as having beneficial uses only for industrial purposes; however, discussions with staff at the SDRWQCB indicate that ground-water beneath the Brandywine site is not exempted from having municipal and agricultural beneficial uses (verbal comm. with Brian McDaniel on May 8, 1996).

4.3 SUBSURFACE SOIL CONDITIONS

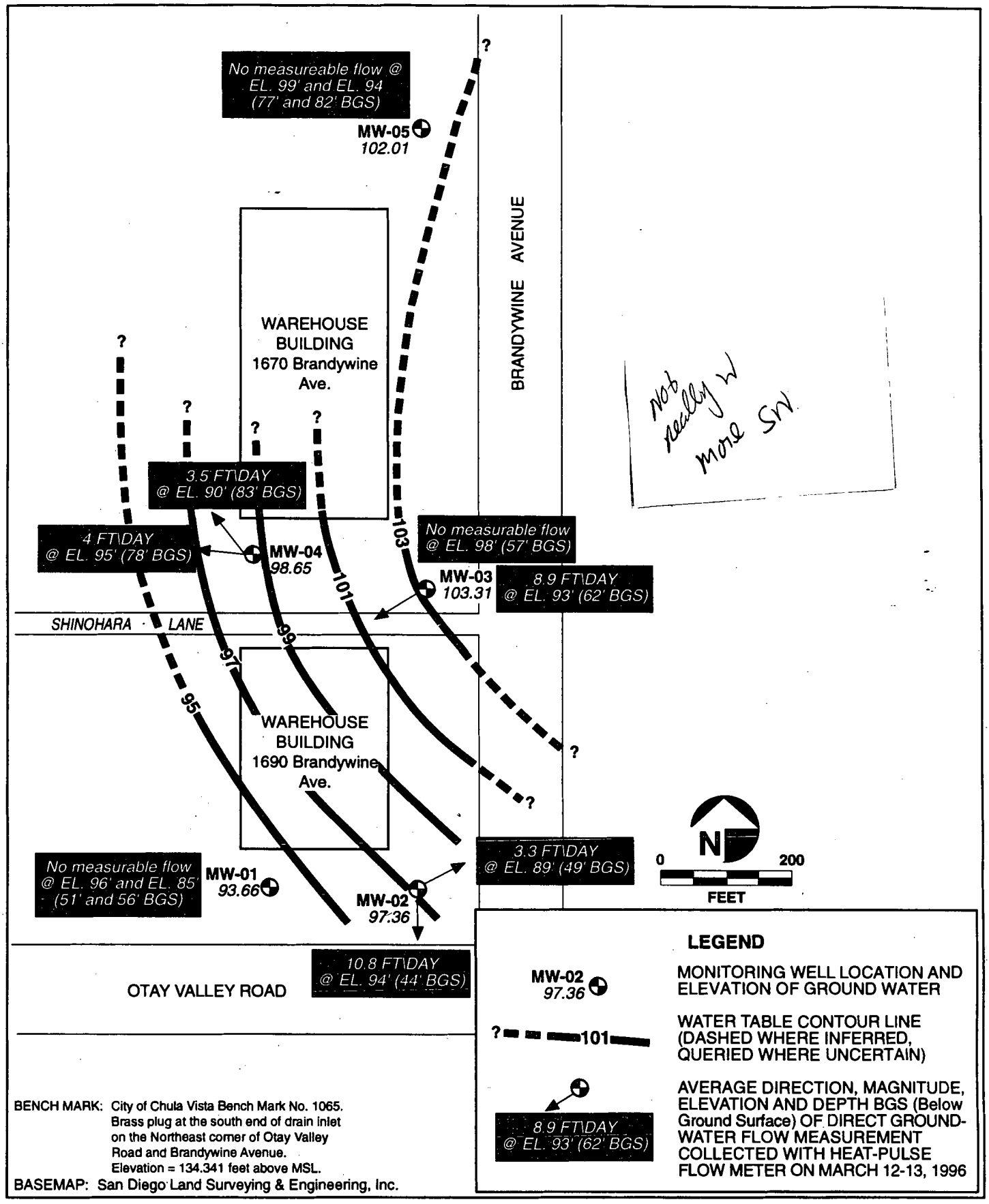
Subsurface conditions encountered during this investigation were generally similar to those described in the previous Phase II subsurface investigation (CERES 1995). Probable fill soils were encountered in the upper few feet bgs of BS-01, BS-02, and BS-04. These soils were lithologically similar to the underlying terrace deposits and consisted primarily of moist, brown to light olive brown, silty sand in BS-01 and BS-04, and dark grayish brown, moist clay in BS-02. Terrace deposits were encountered beneath fill soils in BS-01, BS-02, and BS-04, and consisted of brown to dark grayish brown, moist, dense, silty sands and clays. No fill soils were encountered in BS-03. Terrace deposits encountered in BS-02 were finer grained than in other borings. Cobbly horizons characterized by difficult drilling conditions were encountered at approximately 25 to 37 feet bgs in BS-01, 28 to 33 feet bgs in BS-02, and 40 to 50 feet bgs in BS-03. The San Diego Formation was encountered beneath the terrace deposits at depths ranging from the ground surface in BS-05 to depths of 65 to 70 feet bgs in BS-04. All five borings were terminated within the San Diego Formation, which consisted of moist to wet, dense to very dense, micaceous, olive brown silty sand and silt.

No hydrocarbon or solvent odors were detected in any of the borings, nor was any visual evidence of soil contamination (i.e., staining, discoloration, etc.) observed. Slight headspace PID readings of 1 to 2 parts per million (ppm) were measured between 36 and 67 feet bgs in BS-04 and at 36 feet bgs in BS-05.

4.4 SITE GROUND-WATER CONDITIONS

Ground water was encountered at depths ranging from approximately 52.6 feet bgs in MW-02 to 76.3 feet bgs in MW-04. Ground water rose approximately 10 to 13 feet in MW-01, MW-02, and MW-03 within approximately 60 minutes after first being encountered. In contrast, ground water equilibrated at a level approximately 2 feet higher in MW-04 and MW-05 within several hours after boring completion. Ground-water levels in MW-01 and MW-02 recovered relatively quickly subsequent to purging, whereas water levels in MW-03, MW-04, and MW-05 recovered more slowly, as indicated by well purge records (Appendix A).

Ground-water elevations and ground-water contours are shown in Figure 4-1. HPF logging results are discussed in Section 4.6. Ground-water elevations range from 103 feet



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Water-table Gradient Map (2/27/96) and Heat-pulse Logging Results
1670 and 1690 Brandywine Avenue, Chula Vista, California

FIGURE **4-1**

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MSL in the northeastern portion of the site to 93.7 feet MSL in the southwestern portion of the site. Monitoring well recovery data from MW-01, MW-02, and MW-03 (presented in previous paragraph) suggest that the uppermost aquifer beneath the site is somewhat confined (i.e., under pressure) locally; however, static ground-water elevations across the site indicate that ground-water generally flows from northeast to southwest, as evidenced by the trend of the ground-water contours (Figure 4-1). These results indicate that the subject site is down-gradient of the Omar and Otay Landfill sites. The ground-water gradient (i.e., the slope of the ground-water table) at the subject site is approximately equal to 0.02 ft/ft (106 feet per mile).

Figure 4-2 shows a comparison of ground-water contours at the subject site with ground-water contours at the Omar and Otay Landfill sites. As shown in Figure 4-2, ground-water elevations generally increase toward the northeast, indicating that ground-water flow in the uppermost aquifer is generally southwest.

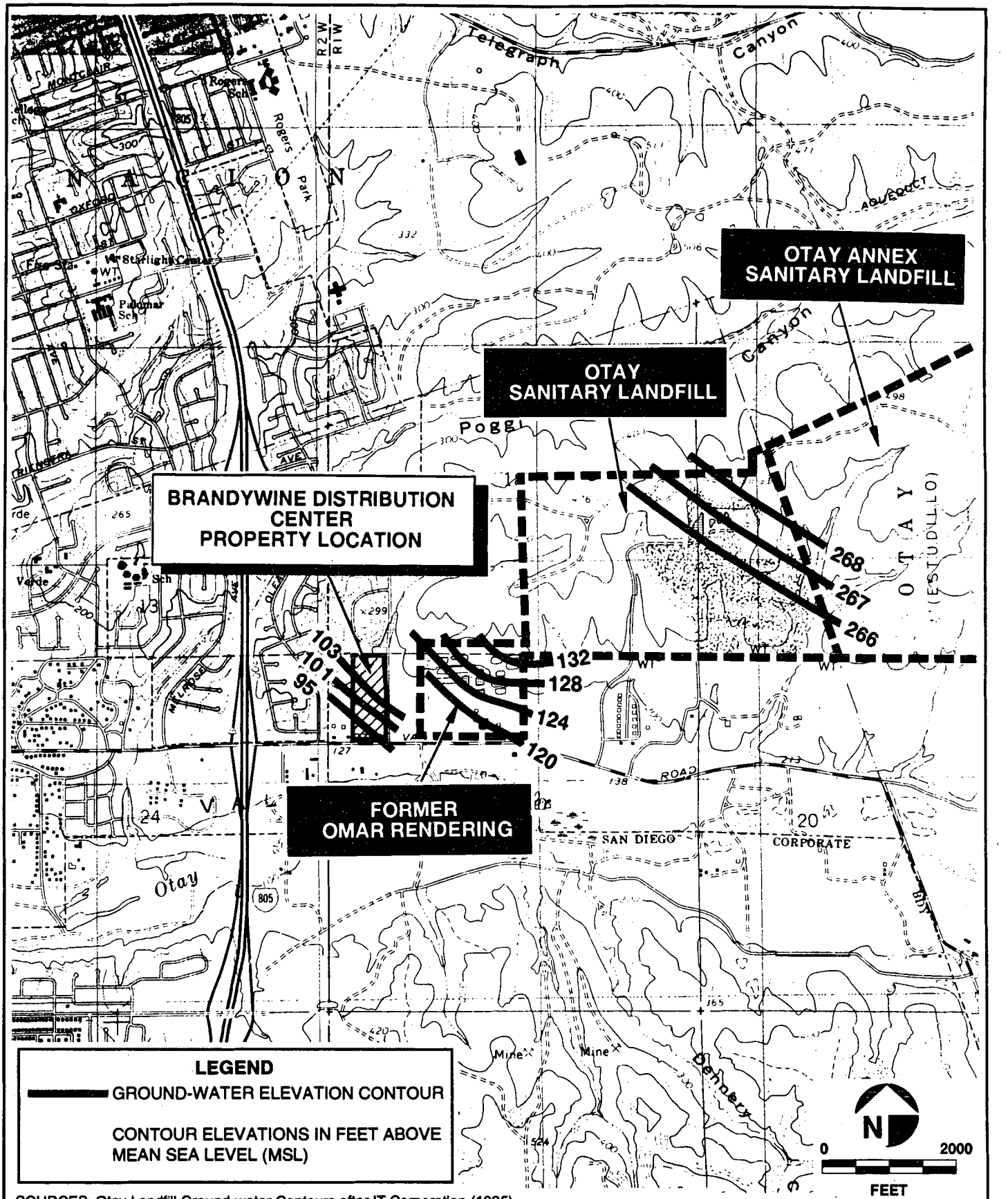
4.5 ANALYTICAL RESULTS

Soil

Soil analytical results are shown in Figure 4-3. HVOCs and benzene, toluene, xylenes, and ethylbenzene (BTXE) were not detected above their respective laboratory detection limits in BS-01, BS-02, and BS-05. None of the soil samples collected within the unsaturated zone contained detectable HVOC or BTXE concentrations.

HVOCs were detected in BS-03 and in BS-04 at depths of 66.5 feet and 86.5 feet bgs, respectively. A trichloroethene (TCE) concentration of 240 µg/kg was detected in sample S03D86.5, collected at a depth of 86.5 feet bgs; a TCE concentration of 16 µg/kg was detected in S02D66.5 in BS-04, collected at 66.5 feet bgs in BS-04. Both of these samples were collected within the saturated zone (i.e., below the ground-water table).

The absence of detectable HVOC and BTXE concentrations within the unsaturated zone, relatively high ground-water HVOC concentrations, and a lack of historical and current hazardous materials usage at the site indicate an offsite contamination source. Table 4-1 lists the total organic carbon (TOC) results for soil. These results and their influence on contaminant mobility are discussed in Section 4.7.



SOURCES: Otay Landfill Ground-water Contours after IT Corporation (1995)
Omar Ground-water Contours after Dames and Moore (1995) and Risk-Based Decisions (1996)

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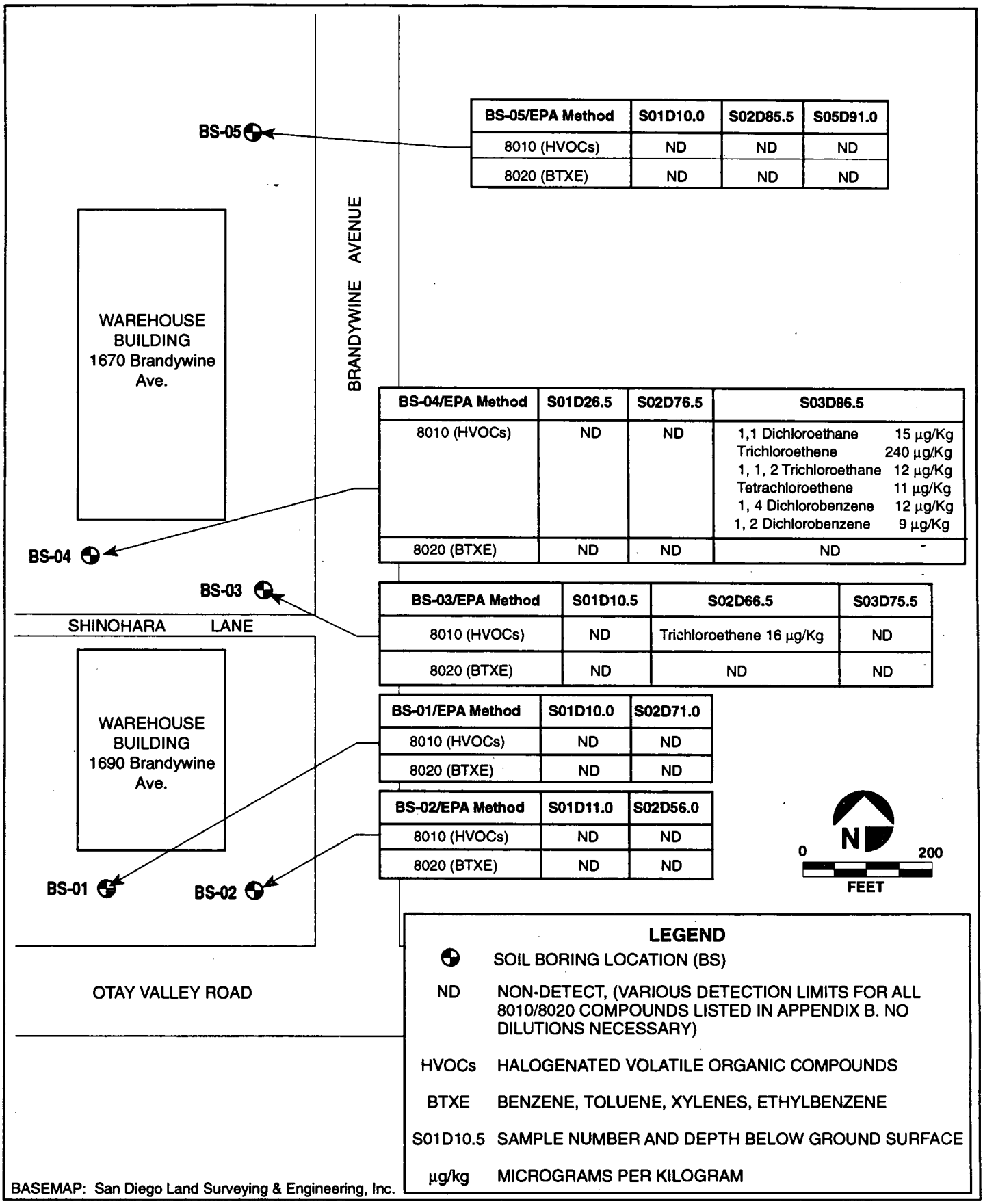
Ground-water Elevations in the Project Vicinity

FIGURE

4-2



BS-05/EPA Method	S01D10.0	S02D85.5	S05D91.0
8010 (HVOCs)	ND	ND	ND
8020 (BTXE)	ND	ND	ND

BS-04/EPA Method	S01D26.5	S02D76.5	S03D86.5
8010 (HVOCs)	ND	ND	1,1 Dichloroethane 15 µg/Kg Trichloroethene 240 µg/Kg 1, 1, 2 Trichloroethane 12 µg/Kg Tetrachloroethene 11 µg/Kg 1, 4 Dichlorobenzene 12 µg/Kg 1, 2 Dichlorobenzene 9 µg/Kg
8020 (BTXE)	ND	ND	ND

BS-03/EPA Method	S01D10.5	S02D66.5	S03D75.5
8010 (HVOCs)	ND	Trichloroethene 16 µg/Kg	ND
8020 (BTXE)	ND	ND	ND

BS-01/EPA Method	S01D10.0	S02D71.0
8010 (HVOCs)	ND	ND
8020 (BTXE)	ND	ND

BS-02/EPA Method	S01D11.0	S02D56.0
8010 (HVOCs)	ND	ND
8020 (BTXE)	ND	ND

OGDEN

Soil Sampling Analytical Results

FIGURE

4-3

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Table 4-1

TOTAL ORGANIC CARBON (TOC) RESULTS FOR SOIL

Soil Sample	Total Organic Carbon (TOC) (fraction by weight)
BS04S01D26.5	0.00079
BS04S02D76.5	0.00019
BS04S03D86.0	0.00015
BS05S01D10.0	0.00027
BS05S04D85.5	0.00011
BS05S05D91.0	0.00072
BS01S01D10.0	0.0021
BS01S02D71.0	0.00354
BS02S01D11.0	0.00078
BS02S02D56.0	0.00059
BS03S01D10.5	0.00171
BS03S02D66.5	0.00038
BS03S03D75.5	0.00032

Appendix B contains the complete analytical laboratory reports for TOC.

Ground Water

General minerals analytical results for ground water are shown in Table 4-2. Ground water beneath the subject site appears to be of poor quality, with elevated total dissolved solids (TDS) concentrations ranging from 2,310 to 10,600 milligrams per liter (mg/l) and chloride concentrations ranging from 598 to 5,400 mg/l.

The general minerals results for MW-02 differ considerably from the results for the other monitoring wells. Specifically, chloride, sulfate, electrical conductivity (EC), total dissolved solids (TDS) and hardness results are much lower for MW-02 than for MW-01, MW-03, MW-04, and MW-05. These results indicate that the ground water in the vicinity of MW-02 is chemically distinct from other portions of the site. This difference may be a result of influence from an anthropogenic water source, such as over-irrigation of the adjacent landscaping or a leaky irrigation line.

The ground-water analytical results for EPA Methods 8010 (HVOCs) and 8020 (BTXE) are shown in Figure 4-4. All five ground-water samples contained detectable concentrations of HVOCs. TCE concentrations in MW-03 and MW-04 are significantly higher than in MW-01, MW-02, and MW-05. TCE concentrations detected in MW-01, MW-02, and MW-05 range from 1.6 to 13 µg/l, while concentrations of 400 and 720 µg/l were detected in MW-03 and MW-04, respectively. Methylene chloride concentrations in MW-01 through MW-05 ranged from 30 to 87 µg/l.

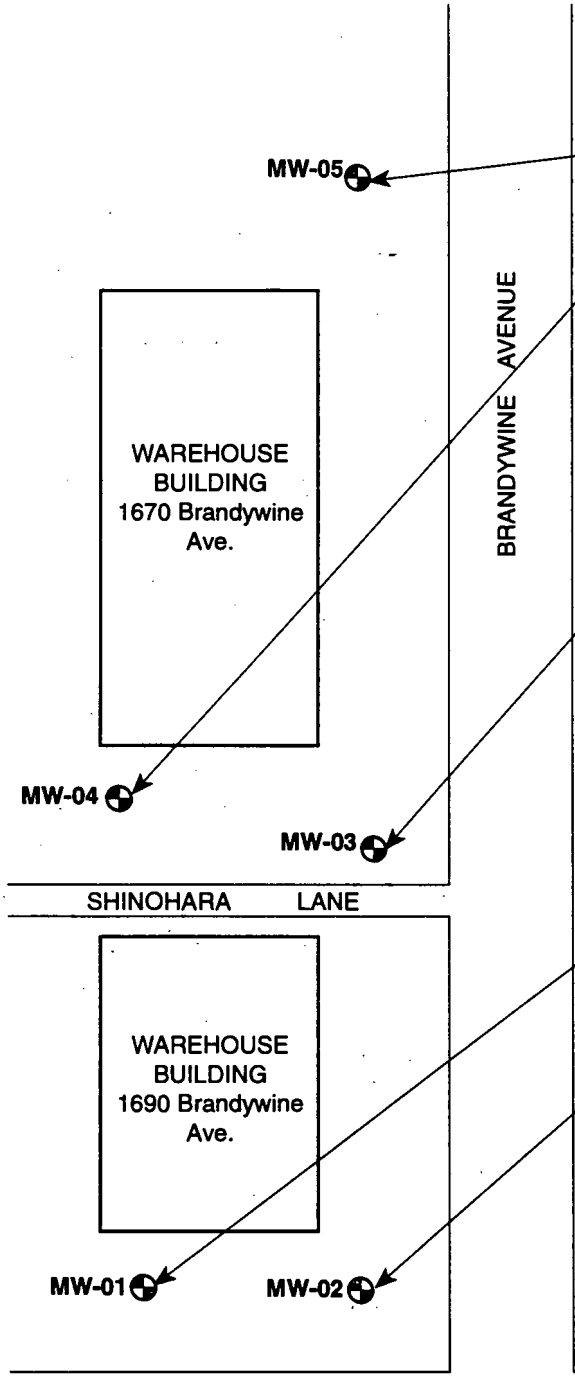
A comparison of the TCE and methylene chloride ground-water results for the subject site and the adjacent Omar and Otay Landfill sites is shown in Table 4-3. Ground-water analytical data for the Omar and Otay Landfill sites were obtained from available reports on file at the San Diego County SA/M Division. As shown in Table 4-3, the maximum TCE concentrations measured in ground-water beneath the Omar site are substantially higher (by one to two orders of magnitude) than concentrations at the subject site and the Otay Landfill site. Methylene chloride concentrations at the Omar site are also higher than concentrations at the subject site.

Table 4-2

GENERAL MINERALS RESULTS FOR GROUND WATER

Parameter (units)/EPA Method	MW-01	MW-02	MW-03	MW-04	MW-05
MBAS (mg/l)/425.1	0.1	ND	0.76	0.73	ND
Turbidity (NTU)/180.1	303	258	3850	684	7240
Alkalinity (mg/l)/310.1	212	526	450	580	104
Chloride (mg/l)/300	4140	598	5400	2450	3330
Sulfate (mg/l)/300	1800	358	1320	1800	1020
Nitrate (mg/l)/300	5.91	17.4	231	228	8.57
Fluoride (mg/l)/300	0.81	1.57	0.77	0.71	0.99
pH/150.1	7.4	7.9	7.3	7.6	7.3
EC (µmhos/cm)/120.1	11900	3720	16700	10800	9740
TDS (mg/l)/160.1	7900	2310	10600	7820	5800
Color (color units)/110.2	10	10	40	40	10
Odor/140.1	ND	ND	ND	ND	ND
Hardness (mg/l)/130.2	3960	337	3320	1880	2500

mg/l: Milligrams per liter
NTU: Nephlometric Turbidity Units
MBAS: Methylene Blue Active Substances
EC: Electrical Conductivity
µmhos/cm: Micro-ohms per centimeter
TDS: Total Dissolved Solids



MW-05/EPA Method	S01	
8010 (HOVCs)	Methylene Chloride	30 ug/l
	Trichloroethene	3.0 ug/l
8020 (BTXE)	Toluene	1.9 ug/l

MW-04/EPA Method	S01	
8010 (HOVCs)	1,1 Dichloroethene	67 ug/l
	Methylene Chloride	79 ug/l
	cis-1, 2-Dichloroethene	11 ug/l
	1,1 Dichloroethane	76 ug/l
	Chloroform	16 ug/l
	1, 2-Dichloroethane	24 ug/l
	Trichloroethene	720 ug/l
	1, 1, 2 Trichloroethane	47 ug/l
	Tetrachloroethene	56 ug/l
8020 (BTXE)	Benzene	7.1 ug/l

MW-03/EPA Method	S01	
8010 (HOVCs)	1,1 Dichloroethene	22 ug/l
	Methylene Chloride	68 ug/l
	cis-1, 2-Dichloroethene	11 ug/l
	1,1 Dichloroethane	60 ug/l
	Chloroform	16 ug/l
	1, 2-Dichloroethane	4.3 ug/l
	Trichloroethene	400 ug/l
	1, 1, 2 Trichloroethane	31 ug/l
	Tetrachloroethene	26 ug/l
8020 (BTXE)	ND	

MW-01/EPA Method	S01	
8010 (HOVCs)	Methylene Chloride	87 ug/l
	Trichloroethene	13 ug/l
8020 (BTXE)	ND	

MW-02/EPA Method	S01	
8010 (HOVCs)	1,1 Dichloroethene	19 ug/l
	Methylene Chloride	55 ug/l
	Trichloroethene	1.6 ug/l
8020 (BTXE)	ND	

LEGEND

⊕	MONITORING WELL LOCATION (MW)
ND	NON-DETECT (DETECTION LIMITS FOR ALL 8010/8020 COMPOUND LISTED IN APPENDIX B. NO DILUTIONS NECESSARY)
HVOCs	HALOGENATED VOLATILE ORGANIC COMPOUNDS
BTXE	BENZENE, TOLUENE, XYLENES, ETHYLBENZENE
S01	SAMPLE NUMBER
µg/l	MICROGRAMS PER LITER

N

0 200

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BASEMAP: San Diego Land Surveying & Engineering, Inc.

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Ground-water Sampling Analytical Results

FIGURE

4-4

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Table 4-3

COMPARISON OF TCE AND METHYLENE CHLORIDE GROUND-WATER RESULTS WITH ADJACENT SITES

Site[1]	Distance and Direction from Subject Site	Range of TCE Concentrations in Ground Water[2]	Range of Methylene Chloride Concentrations in Ground Water[2]
Brandywine Distribution Center (Subject Site)	N/A	<1-720 µg/l	<8-87 µg/l
Omar Rendering	0.2 miles east	<1-21,000 µg/l	<5-14,000 µg/l
Otay Landfill	0.5 miles northeast	<0.1-32 µg/l	not measured

N/A Not applicable.
[1]Brandywine analytical data from results of present investigation and previous Phase II investigation (CERES 1995). Omar Rendering data from Dames and Moore (1995) and Risk-Based Decisions (1996). Otay Landfill Data from IT Corporation (1993) and County of San Diego (1994). Otay Landfill data shown are for uppermost (perched) aquifer.
[2]A less-than symbol (<) followed by a value indicates the laboratory detection limit.

Although both the Otay Landfill and the Omar facility are located upgradient from the subject site, ground-water TCE concentrations beneath the subject site are higher than those detected at the Otay Landfill. In addition, the Omar site is substantially closer to subject site than is the Otay Landfill. Given these observations and analytical results, the Omar site represents a more likely source of ground-water contamination at the subject site than does the Otay Landfill.

Analytical results for metals are shown in Table 4-4. These results, which are for unfiltered ground-water samples, also indicate poor ground-water quality. Table 4-5 shows a comparison of selected metal concentrations in ground water from the subject site with available analytical data from the nearby Omar and Otay Landfill sites. Maximum ground-water metal concentrations generally appear to be higher at the subject site than at the Omar and Otay Landfill sites; however, direct comparisons of metal concentrations among the three sites listed in Table 4-5 are not possible due to varying levels of suspended solids in ground-water at the three sites. Typically, high levels of suspended solids in ground water result in increased total metal concentrations. The main conclusion to be

Table 4-4

METALS RESULTS FOR GROUND WATER

Element (units)/EPA Method	MW-01	MW-02	MW-03	MW-04	MW-05
Antimony (µg/l)/3005	<60	<60	<60	<60	<60
Arsenic (µg/l)/3005	<100	<100	171	<100	303
Barium (µg/l)/3005	284	37.8	762	196	1,480
Beryllium (µg/l)/3005	<5	<5	<5	<5	6.41
Cadmium (µg/l)/3005	<5	<5	<5	<5	<5
Calcium (µg/l)/3005	791,000	79,800	725,000	433,000	519,000
Chromium (µg/l)/3005	67.7	<10	266	54.3	701
Cobalt (µg/l)/3005	16.4	<10	111	36.9	160
Copper (µg/l)/3005	51	<10	129	30.1	255
Lead (µg/l)/3005	<100	<100	158	<100	230
Magnesium (µg/l)/3005	481,000	33,400	366,000	195,000	291,000
Mercury (µg/l)/7470	<0.2	<0.2	0.54	0.28	5.13
Molybdenum (µg/l)/3005	73.9	<50	<50	<50	<50
Potassium (µg/l)/3005	40,100	3,670	62,700	21,400	114,000
Nickel (µg/l)/3005	37.5	<20	325	217	182
Selenium (µg/l)/3005	<200	<200	<200	<200	3,590
Silver (µg/l)/3005	<10	<10	<10	<10	<10
Sodium (µg/l)/3005	1,110,000	605,000	268,000	1,620,000	1,380,000
Thallium (µg/l)/3005	<500	<500	1,440	<500	2,540
Vanadium (µg/l)/3005	115	29.1	647	111	1,010
Zinc (µg/l)/3005	440	38.4	1,290	482	4,220

A less-than symbol (<) followed by a value indicates the laboratory detection limit.

Table 4-5

COMPARISON OF SITE GROUND-WATER METAL CONCENTRATIONS WITH GROUND-WATER DATA FROM THE OMAR AND OTAY LANDFILL SITES

Element	Range of Ground-water Concentrations at Brandywine Site	Range of Ground-water Concentrations at Omar Site[1]	Range of Ground-water Concentrations at Otay Landfill[2]
Arsenic (µg/l)	<100-303	<30-140	<10-17
Barium (µg/l)	37.8-1,480	<40-220	<200-440
Chromium (µg/l)	<10-701	<10-70	<10-600
Lead (µg/l)	<100-230	<8-12	<10-80
Mercury (µg/l)	<0.2-5.13	<3.3-7.3	<0.2-0.4
Selenium (µg/l)	<200-3,590	<16-42	<10-27
Thallium (µg/l)	<500-2,540	<60-540	<10-430

Notes:
1 From Dames and Moore (1989). Metal concentrations converted from parts per million.
2 From IT (1993). Metal concentrations converted from mg/l.

A less-than symbol (<) followed by a value indicates the laboratory detection limit.

drawn from Table 4-5 is that elevated metal concentrations occur in the ground water beneath all three sites.

4.6 HEAT-PULSE FLOW LOGGING RESULTS

HPF logging results are presented in Table 4-6 and Figure 4-1. Ground-water flow directions and velocity measurements obtained from HPF logging are considered approximate due to variability in the HPF data; however, these results are generally consistent with ground-water flow directions indicated by the trend of the ground-water contours (also shown in Figure 4-1). The HPF data and the ground-water contours both indicate that ground-water beneath the subject site flows in a southwest to northwest direction. Vertical variability of the ground-water flow field was also observed, as is typical for many aquifers (Fetter 1988).

The results from MW-03 indicate a southwest flow direction of approximately 3.9 to 13.9 feet per day, with an average value of approximately 8.9 feet per day. HPF logging results indicate that ground-water flow in the vicinity of MW-04 is generally west to northwest at velocities ranging from approximately 2.7 to 4.3 feet per day, with average values of 3.5 to 4.1 feet per day. No measurable flow was detected in MW-01 and MW-05, located in the southern and northern portions of the site, respectively. Based on the flow meter instrument sensitivity and on site ground-water conditions, ground-water flow in the direct vicinity of these wells is estimated to be less than about 1 foot per day. Measured ground-water flow directions in each monitoring well generally exhibited 10 to 30 degrees of variability, and ground-water flow velocity measurements generally exhibited approximately 0.2 to 5 feet per day of variability.

A northeast ground-water flow of approximately 3 feet per day was measured at 49 feet bgs in MW-02, whereas a southward flow of approximately 11 feet per day was measured at 44 feet bgs in MW-02. These results may reflect localized influence from an anthropogenic surface water source, as discussed in Section 4.5. Alternatively, these results may reflect a natural variability of the overall ground-water flow field, as discussed below.

One explanation for the vertical variability of flow directions and velocities measured in MW-02 is that since HPF measurements are made at a point source (i.e., a particular level in a small-diameter monitoring well), such measurements may reflect localized flow irregularities through the aquifer material rather than regional ground-water flow directions.

Table 4-6

SUMMARY OF HEAT-PULSE FLOW LOGGING RESULTS

Monitoring Well	Depth to Water at Time of Flow Measurement[1]	Depth of Flow Measurement[1]	Magnitude of Ground-water Flow	Direction of Ground-water Flow (azimuth)
MW-01	48.05 ft	51 ft	< 1 ft/day	NM
		56 ft	< 1 ft/day	NM
MW-02	41.6 ft	44 ft	10.8 +/- 0.8 ft/day	171° +/- 10°
		49 ft	3.3 +/- 1.4 ft/day	69° +/- 30°
MW-03	52.09 ft	57 ft	< 1 ft/day	NM
		62 ft	8.9 +/- 5 ft/day	261° +/- 20°
MW-04	75.21 ft	78 ft	4.1 +/- 0.2 ft/day	293° +/- 10°
		83 ft	3.5 +/- 0.8 ft/day	327° +/- 20°
MW-05	74.2 ft	77 ft	< 1 ft/day	NM
		82 ft	< 1 ft/day	NM

[1] Measured from ground surface.
NM Not Measurable

Such flow irregularities can result from locally heterogeneous aquifer conditions such as changes in lithology, which cause significant changes in hydraulic conductivity. Flow variability in MW-02 may therefore be a result of preferential groundwater flow at discrete depths in the direct vicinity of MW-02.

Ground-water elevations and heat pulse flow data indicate an overall westward ground-water flow direction in the direct vicinity of MW-03 and MW-04. HPF data indicate that the most significant ground-water flow is primarily occurring beneath the central portion of the site, as indicated by generally higher flow velocities and more consistent flow directions in this area than in the northern and southern portions of the site (Figure 4-1). Ground-water TCE concentrations are also higher in this portion of the subject site than in the northern and southern portions of the site. This portion of the site is directly down-gradient of the adjacent Omar site; therefore, the Omar site represents the most likely source of ground-water contamination observed at the subject site.

As a rough check of the HPF ground-water velocity results, hydraulic conductivities were back-calculated for aquifer materials from HPF data and from the measured ground-water gradient (i.e., the slope of the water table) beneath the subject site. Hydraulic conductivity (K) is a measure of the rate at which water moves through a permeable medium. Calculated hydraulic conductivities range from 0.014 to 0.073 centimeters per second (cm/s). These values are within a typical K range of 0.0001 to 0.01 for silty sand (Fetter 1988). Measured ground-water velocities at the subject site therefore appear to be realistic values.

4.7 Results of Contaminant Mobility Evaluation

The mobility of TCE in ground-water beneath the subject site and vicinity was evaluated by calculating its retardation factor (R). R represents the degree to which the average velocity of a dissolved contaminant plume in ground water is retarded (i.e., slowed down) relative to the ground-water flow velocity. The larger the R value, the slower the average velocity of the contaminant plume relative to that of the seepage velocity (i.e., the velocity of ground water). R is strongly influenced by the fraction of organic carbon (TOC) in the aquifer material. The higher the fraction of TOC in the aquifer material, the lower the mobility of an organic contaminant, since organic compounds exhibit a strong tendency to sorb onto organic carbon particles within an aquifer (Fetter 1993).

As explained below, average TCE plume velocities (i.e., retarded velocities) derived from estimated R values are relatively close to measured ground-water velocities. This indicates that the dissolved TCE ground-water plume beneath the subject site is relatively mobile, since its average velocity is close to that of the ground water. As noted above, aquifer materials contain very little organic carbon, indicating high TCE mobility.

TCE plume travel times from the Omar site to the subject site were estimated to be relatively low (0.4 to 2.7 years); therefore, not much time would be required for a TCE plume originating at the Omar site to migrate to the subject site. Historical TCE concentrations as high as 3,000 µg/l have been measured in ground water beneath the Omar site (Table 4-3). Methylene chloride concentrations as high as 14,000 µg/l have also been measured (Dames and Moore 1995).

Discussion of Contaminant Mobility Results

The retardation factor (R) is defined by the following equation:

$$R = 1 + \frac{K_d B_d}{\Theta_{eff}} \qquad \text{(Equation 4-2; Fetter 1988)}$$

where

K_d = the distribution coefficient;

B_d = the bulk density of the aquifer material (assumed to equal 1.3 kg/l); and

Θ_{eff} = the effective porosity of the aquifer material (assumed to equal 0.3).

The distribution coefficient (K_d) in Equation 4-2 is a measure of the equilibrium partitioning of a compound between the sorbed and dissolved phases. A site-specific K_d value can be estimated by dividing the TCE concentration in soil by the TCE concentration in ground water at the subject site. Bulk density (B_d) and effective porosity (Θ_{eff}) values were estimated from typical ranges for these parameters given by Holtz and Kovacs (1981) and Fetter (1988).

Two methods were used to estimate K_d for TCE. The first method used the soil and ground-water analytical results presented in Figures 4-3 and 4-4 to calculate K_d values of approximately 0.04 liters per kilogram (l/kg) and 0.33 l/kg from MW-03 and MW-04 data, respectively (see Table 4-7).

The second method estimated K_d values based on a published relationship between the organic carbon/water partitioning coefficient (K_{oc}) and the octonol/water partitioning coefficient (K_{ow}). K_d is equal to the K_{oc} value for the compound times the organic carbon fraction (Fetter 1988). The higher the organic carbon fraction of the soil, the greater the tendency of the organic compound to sorb onto the soil rather than remain in the ground water, and thus the lower the mobility of the compound in ground water. The TOC results shown in Tables 4-1 and 4-7 provide a measure of the organic carbon fraction present in soil samples from MW-03 and MW-04. K_d values estimated for TCE were calculated based on a published K_{ow} value for TCE (Fetter 1993) and an empirical relationship between K_{ow} and K_{oc} (Karichoff et al. 1979).

Table 4-7 provides a summary of the estimated K_d values for MW-03 and MW-04 obtained by the two methods described above.

Table 4-8 provides a summary of estimated R values using the K_d estimates shown in Table 4-7. The estimated R values shown in Table 4-7 are relatively low, suggesting that TCE in ground water beneath the subject site and vicinity is relatively mobile. Dividing the measured ground-water velocities in MW-03 and MW-04 by the estimated R values shown in Table 4-7 gives the average velocity range of the TCE contaminant plume beneath the subject site. TCE plume velocity estimates are approximately equal to the average ground-water velocities measured in MW-03 and MW-04, indicating very little retardation of the TCE plume.

Dividing the estimated TCE plume velocities in Table 4-8 by the distance from MW-03 and MW-04 to the former Omar evaporation ponds (a distance of 1,000 to 1,500 feet) yields average plume travel times ranging from 0.4 to 2.7 years. This result indicates that a relatively short time period would be required for a TCE plume originating at the Omar site to migrate to the subject site relative to the elapsed time since 1978, when the Omar site stopped receiving hazardous wastes.

Table 4-7

SUMMARY OF ESTIMATED K_d VALUES

Monitoring Well	TCE Concentration Soil	TCE Concentration in Ground Water	K_d Estimated from Analytical Data	Range of TOC Results (percent)	Estimated K_{oc} for TCE[1]	K_d Derived from Estimated K_{oc}
MW-03	16 µg/kg	400 µg/l	0.04 l/kg	0.032-0.17	123	0.04-0.21 l/kg
MW-04	240 µg/kg	720 µg/l	0.33 l/kg	0.015-0.079	123	0.02-0.10 l/kg

[1] Based on a published K_{ow} value for TCE (Fetter 1993) and an empirical relationship between K_{ow} and K_{oc} by Karichoff et al. (1979) (K_{oc}=0.63K_{ow}).

Table 4-8

ESTIMATED R VALUES AND TCE PLUME VELOCITIES

Monitoring Well	Range of Estimated R values (Equation 4-2)	Estimated Average Velocity Range of TCE Plume	Average Ground-Water Velocity (From HPF Data)
MW-03	1.2	7.4 ft/day	8.9 ft/day
MW-04	1.1-2.4	1.5-3.7 ft/day	3.5-4.1 ft/day

SECTION 5
SUMMARY AND CONCLUSIONS

A limited ground-water and soil investigation was conducted at the Brandywine Distribution Center, located at 1670 and 1690 Brandywine Avenue in Chula Vista, California. The investigation was conducted on behalf of Chula Vista Industrial Realty, Inc. to verify the presence of ground-water contamination beneath the subject site, evaluate ground-water flow direction, velocity, and gradient, and determine potential sources of the identified contamination.

The investigation included completion of soil borings, installation and sampling of ground-water monitoring wells, analytical testing of soil and ground-water samples, heat-pulse flow logging, geochemical evaluation of ground water, and report preparation. The following conclusions have been developed as a result of this investigation:

1. Ground-water analytical results indicate elevated HVOC concentrations beneath the central portion of the subject site. TCE concentrations of 400 and 720 µg/l were measured in ground water samples collected from MW-03 and MW-04, respectively. In contrast, MW-01, MW-02, and MW-05 analytical results for ground water displayed much lower HVOC concentrations ranging from 1.6 to 13 µg/l.

2. No detectable concentrations of contaminants were observed in site soil within the unsaturated zone.

3. There is no evidence of historic or current hazardous materials storage, use, or release at the site. Therefore, an offsite source of the detected contamination is indicated.

4. Review of available records indicates that the Hyspan property, located adjacent to the subject site on the eastern side of Brandywine Avenue, does not appear to be a possible source for HVOCs detected in ground water at the subject site. Similarly, HVOC concentrations detected in ground water at the Otay Landfill are lower than those at the subject site; therefore, the Otay Landfill also does not appear to be a likely source of ground-water impacts at the subject site.

5. HPF logging results indicate that ground-water flow beneath the subject site appears to be generally in a westward direction. Results from MW-03 indicate a southwest flow

direction of approximately 3.9 to 13.9 feet per day in the east-central portion of the site, with an average value of approximately 8.9 feet per day. HPF logging results also indicate that ground-water flow in the vicinity of MW-04 is generally west to northwest at velocities ranging from approximately 2.7 to 4.3 feet per day.

6. Direct measurements of ground-water flow direction in the vicinity of MW-03 and MW-04 are generally consistent with the overall direction of the hydraulic gradient. Both lines of evidence indicate an overall westward ground-water flow direction beneath this portion of the subject property. This portion of the subject property displays the highest TCE concentrations in ground water and appears to be located directly down-gradient of the adjacent Omar site.

7. TCE in ground water beneath the subject site and vicinity is relatively mobile, as evidenced by low retardation factor (*R*) values and estimated TCE plume velocities approaching average estimated ground-water flow velocities. Estimates of the ground-water travel time between the Omar and subject sites suggest that a TCE plume originating at the Omar site could migrate to the subject site within a relatively short time period (approximately 0.4 to 2.7 years).

8. Review of the previous Phase I and Phase II reports for the subject property and review of SA/M Division files indicates that ground-water contamination has been extensively documented beneath the Omar site, with TCE and methylene chloride concentrations in ground water as high as 21,000 and 14,000 µg/l, respectively.

No evidence indicates that ground-water contamination at the subject site has originated from an onsite source. The most likely source for contamination of ground water beneath the subject site appears to be the adjacent Omar site.

SECTION 6
RECOMMENDATIONS

No further site assessment activities are warranted at the subject site. There is no evidence of the storage, use,-or release of hazardous chemicals at the site. The results of soil and ground-water testing indicate that the ground-water contamination observed onsite is a result of migration from an upgradient, offsite source or release. To be effective, potential ground-water remediation activities would have to be initiated at the offsite contaminant source rather than at the subject site.

Ogden recommends that this report be submitted to the SDRWQCB. They are currently compiling and evaluating data associated with the known ground-water contamination in the area (per. comm. with Mark Alpert, April 1996). Following SDRWQCB review of this report, it is recommended that Ogden meet with the SDRWQCB on behalf of Chula Vista Industrial Realty, Inc. to discuss the results for the subject site and to request a "no further action" letter specifying that the observed ground-water contamination is not due to former or current site uses or activities and is the result of the migration of releases from offsite sources. Ogden Environmental can assist in this effort as requested.

SECTION 7
REFERENCES

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SECTION 8
LIMITATIONS

The data presented in this report are intended for use in the course of a site investigation. The data cited herein should not be used for other than its intended purpose. Furthermore, Ogden's conclusions are based solely on these data.

Changes in the condition of the project site may occur with time due to either natural processes or human activities. The site investigation was carried out using the degree of care and skill ordinarily exercised under similar circumstances by qualified professionals; no further warranty is made.

APPENDIX A

DESCRIPTION OF USCS AND BORING/MONITORING WELL LOGS

ULS REPORT

WELL DEVELOPMENT AND GROUND-WATER SAMPLING LOGS

DESCRIPTION OF USCS AND BORING/MONITORING WELL LOGS

DEFINITION OF TERMS

PRIMARY DIVISIONS			SYMBOLS	SECONDARY DIVISIONS
COARSE GRAINED SOILS More Than Half of Material is Larger Than No. 200 Sieve Size	GRAVELS More Than Half of Coarse Fraction is Larger Than No. 4 Sieve	CLEAN GRAVELS (Less Than 6% Fines)	GW	Well graded gravels, gravel-sand mixtures, little or no fines
			GP	Poorly graded gravels, gravel-sand mixtures, little or no fines
		GRAVEL With Fines	GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines
			GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines
	SANDS More Than Half of Coarse Fraction is Smaller Than No. 4 Sieve	CLEAN SANDS (Less Than 6% Fines)	SW	Well graded sands, gravelly sands, little or no fines
			SP	Poorly graded sands, gravelly sands, little or no fines
		SANDS With Fines	SM	Silty sands, sand-silt mixtures, non-plastic fines
			SC	Clayey sands, sand-clay mixtures, plastic fines
FINE GRAINED SOILS More Than Half of Material is Smaller Than No. 200 Sieve Size	SILTS AND CLAYS Liquid Limit is Less Than 50%		ML	Inorganic silts, rock flour, fine sandy silts or clays, and clayey silts with non- or slightly-plastic fines
			CL	Inorganic clays of low to medium plasticity, gravelly clays, silty clays, sandy clays, lean clays
			OL	Organic silts and organic silty clays of low plasticity
	SILTS AND CLAYS Liquid Limit is Greater Than 50%		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts, clayey silt
			CH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils

GRAIN SIZES

SILTS AND CLAYS	SAND			GRAVEL		COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE		

200 40 10 4 3/4" 3" 12"

U.S. STANDARD SERIES SIEVE — CLEAR SQUARE SIEVE OPENINGS

RELATIVE DENSITY		CONSISTENCY	
SANDS, GRAVELS AND NON-PLASTIC SILTS	BLOWS/FOOT*	CLAYS AND PLASTIC SILTS	BLOWS/FOOT*
VERY LOOSE	0 - 6	VERY SOFT	0 - 3
LOOSE	6 - 14	SOFT	3 - 6
MEDIUM DENSE	14 - 43	FIRM	6 - 12
DENSE	43 - 71	STIFF	12 - 23
VERY DENSE	>71	VERY STIFF	23 - 46
		HARD	>46

*NUMBER OF BLOWS OF 140 POUND HAMMER FALLING 30 INCHES TO DRIVE A 3 INCH O.D. (2 INCH I.D.) SPLIT SPOON

OGDEN

Unified Soil Classification System

FIGURE

OGDEN

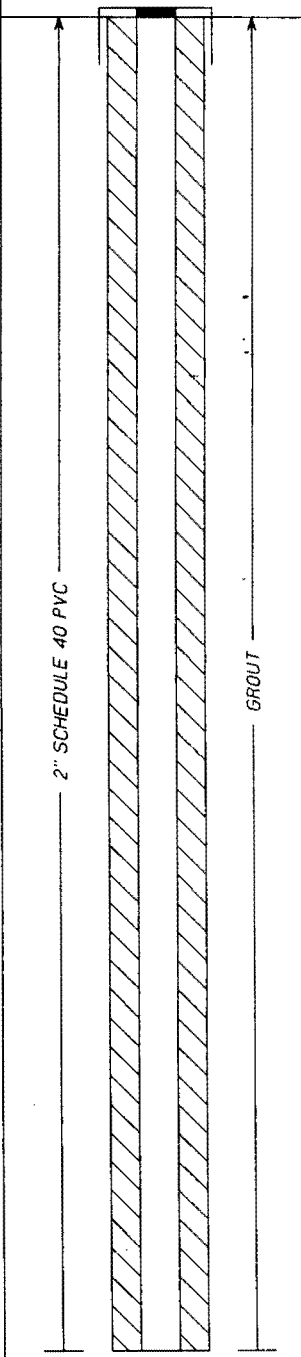
BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.
PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144
DATE/TIME STARTED 02-17-96 / 0815
DATE/TIME FINISHED 02-17-96 / 1040
COORDINATES N/A,
ELEVATION AND DATUM
TOP OF CASING ELEVATION 141.48

BORING NUMBER BS-MW01
COMPLETION DEPTH 71 ft.
BOREHOLE DIAMETER 8"
DRILLER/COMPANY Russ/ Valley Well
DRILLING METHOD/FLUID Hollow Stem Auger
DRILLING EQUIPMENT Failing F-6
GEOLOGIST D. Barrie
CHECKED BY J. Jones

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
							SM	Asphalt at surface
1								
2								
3								
4								
5								**SILTY SAND** fine- to medium-grained sand, probable fill (75% sand, 25% fines)
6								
7								
							SM	
8								ALLUVIUM/TERRACE DEPOSITS
9								
10	X		BWBS01S01D11.0	15	0.0			**SILTY SAND** brown 10YR4/3, moist, dense, fine-grained (75% sand, 25% fines)
				25				
11	X			25				
12								
13								
14								

WELL DIAGRAM



OGDEN

BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW01

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 71 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
							SM			
15										15
16										16
17										17
18										18
19										19
20								SILTY SAND same as above		20
21									2" SCHEDULE 40 PVC	21
22									GROUT	22
23										23
24										24
25							SM SC	Abundant cobbles		25
26										26
27										27
28										28
29										29
30										30

OGDEN

BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.

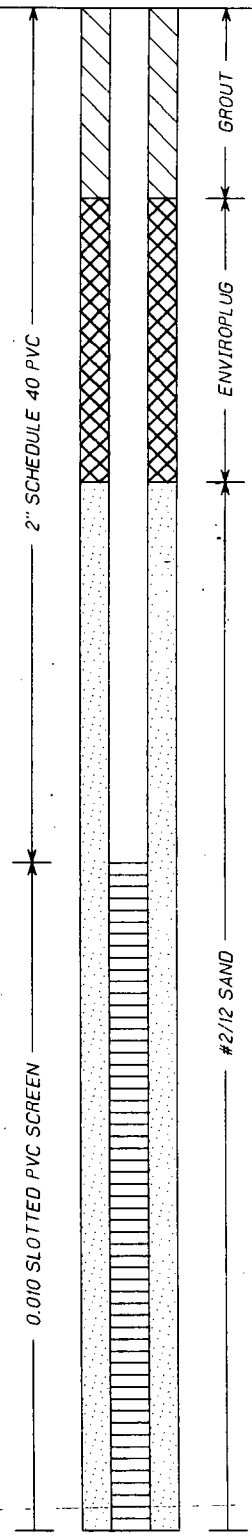
BORING NUMBER BS-MW01

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 71 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
31					0.0		SM SC	**SILTY/CLAYEY SAND WITH GRAVEL** dark grayish brown 10YR4/2, moist, dense, low plasticity, very difficult drilling, rock fragments composed of gray fine-grained metavolcanic (?) rock (25% gravel, 60% sand, 15% fines)
32								
33								
34								
35								
36								
37								**SILTY SAND WITH GRAVEL** dark grayish brown 10YR4/2, moist, dense, gravel is composed of metavolcanic (?) and granitics (40% gravel, 40% sand, 20% fines)
38					0.0			
39								
40							SM	SAN DIEGO FORMATION **SILTY SAND** olive brown 2.5Y4/3, moist, no plasticity, micaceous, fine-grained (85% sand, 15% fines)
41								
42								
43								
44								
45								
46								

WELL DIAGRAM



OGDEN

BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.

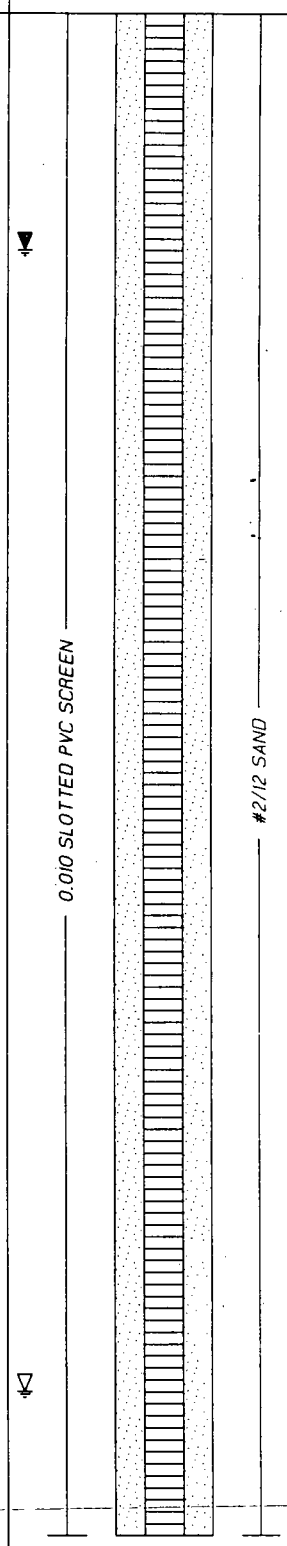
BORING NUMBER BS-MW01

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 71 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
47							SM	
48							ML	
49								
50		100		25	0.0			**SILT WITH SAND** olive brown 2.5Y4/4, moist, hard, micaceous, low plasticity (15% sand, 85% fines)
				35			ML	**SILT** dark gray 2.5Y4/1, moist, hard, micaceous, low plasticity, low dry strength (10% sand, 90% fines)
51				45				
52								
53								
54								
55		100		20	0.0			**SILT** dark gray 2.5Y4/1, same as above
				35				
56				50				
57								
58							ML	
59								
60		83		17	0.0			**SILT WITH SAND** dark gray 2.5Y4/1, same as above with slightly higher percentage of sand, driller reports that center plug is slightly wet (15% sand, 85% fines)
61				20				
				25				
62								

WELL DIAGRAM



OGDEN

BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.

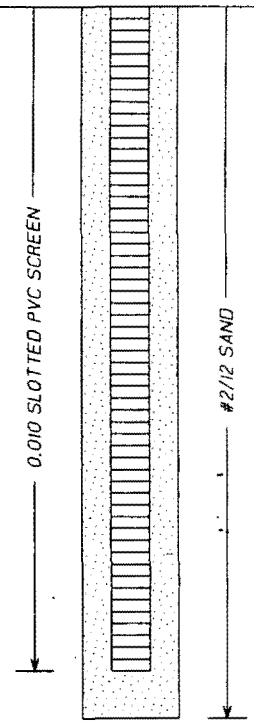
BORING NUMBER BS-MW01

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 71 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
							ML	
63								
64								
65		88		10	0.0			**SILT WITH SAND TO SILTY SAND** same as above, driller reports that center plug is dry (15% sand, 85% fines)
				25				
66				50				
67								
68								
69								
70			BWBS01S02D71.0	20				**SILT WITH SAND TO SILTY SAND** same as above but wet, free water present, water rose to 60 feet in 5 minutes
				37				
71					0.0			BORING COMPLETED TO 71 FEET BGS SET MONITORING WELL, GROUNDWATER FIRST ENCOUNTERED AT 60.5' BGS, GROUNDWATER AT 48.3'BGS AFTER 4 HOURS
72								
73								
74								
75								
76								
77								
78								

WELL DIAGRAM



DEPTH feet: 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78

OGDEN

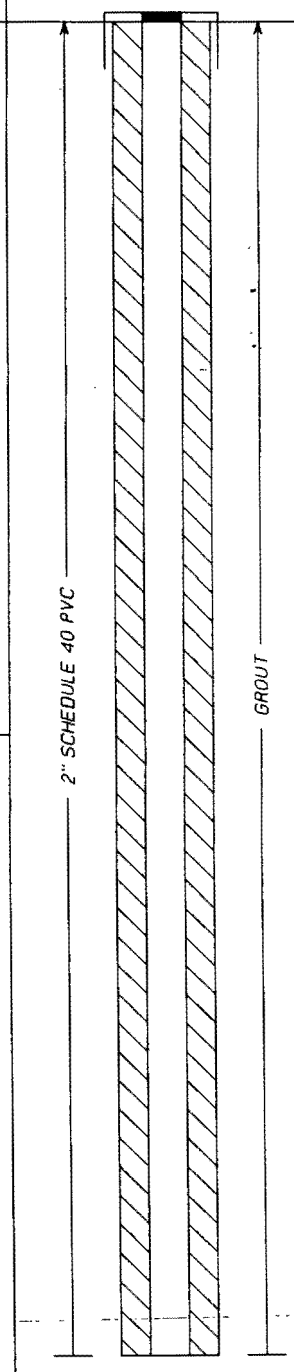
BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.
PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144
DATE/TIME STARTED 02-17-96 / 1255
DATE/TIME FINISHED 02-17-96 / 1420
COORDINATES N/A.
ELEVATION AND DATUM
TOP OF CASING ELEVATION 138.22

BORING NUMBER BS-MW02
COMPLETION DEPTH 56.5 ft.
BOREHOLE DIAMETER 8"
DRILLER/COMPANY Russ/ Valley Well
DRILLING METHOD/FLUID Hollow Stem Auger
DRILLING EQUIPMENT Failing F-6
GEOLOGIST D. Barrie CHECKED BY J. Jones

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
							CL	Asphalt at surface
1								
2								
3								**LEAN CLAY WITH SAND** dark grayish brown 10YR4/2, moist, medium plasticity, probable fill (15% sand, 85% fines)
4								
5								
6								
7								
							CL	
8								OVERBANK/TERRACE DEPOSITS
9								
10		77	BWBS02S01D11.0	7	0.0			**LEAN CLAY** very dark grayish brown 10YR3/2, moist, very stiff, medium plasticity, contains very pale brown 10YR7/3 silty stringers (10% sand, 90% fines)
11				7 15				
12								
13								
14								

WELL DIAGRAM



OGDEN

BORING LOG

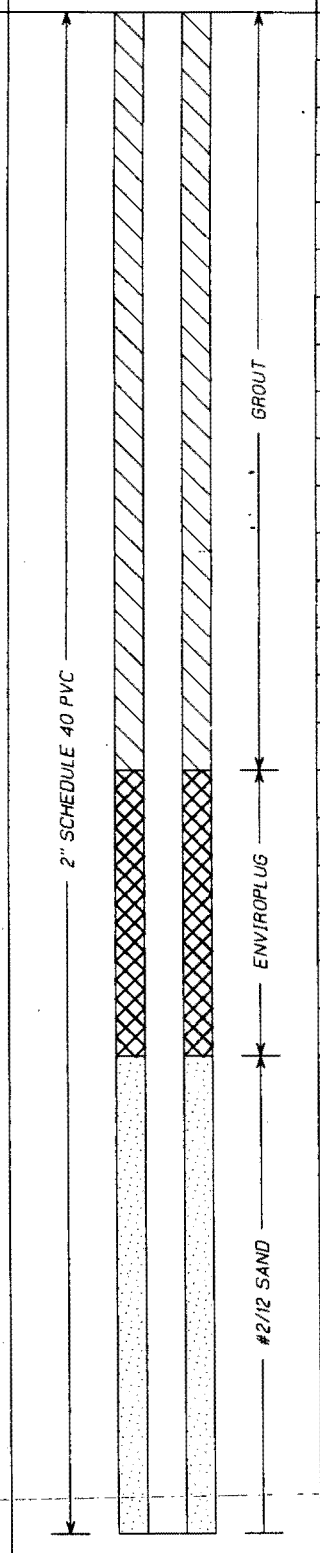
CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW02

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 56.5 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
15					0.0		CL	
16								
17								LEAN CLAY WITH SAND brown 10YR4/3, moist, medium plasticity (15% sand, 85% fines)
18								
19								
20								
21								
22								
23								
24								
25					0.0			LEAN CLAY WITH SAND brown 10YR4/3, moist, medium plasticity (15% sand, 85% fines)
26								
27								
28								
29							CL	Abundant cobbles, slow difficult drilling from 28.5 to 33 feet bgs
30								



OGDEN

BORING LOG

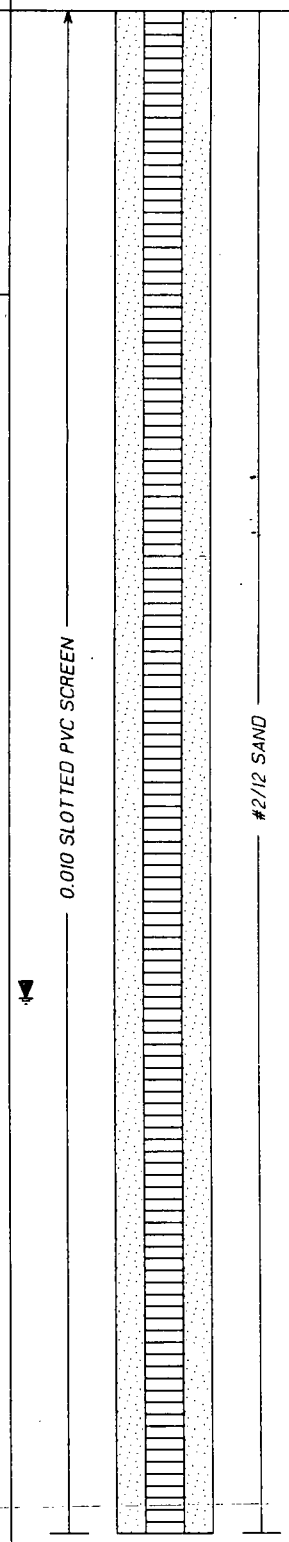
CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW02

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 56.5 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
							CL			
31										31
32										32
33							SM	SAN DIEGO FORMATION		33
34										34
35								Silty sand cuttings		35
36										36
37										37
38										38
39										39
40										40
41										41
42								Silty sand cuttings		42
43										43
44										44
45										45
46										46



OGDEN

BORING LOG

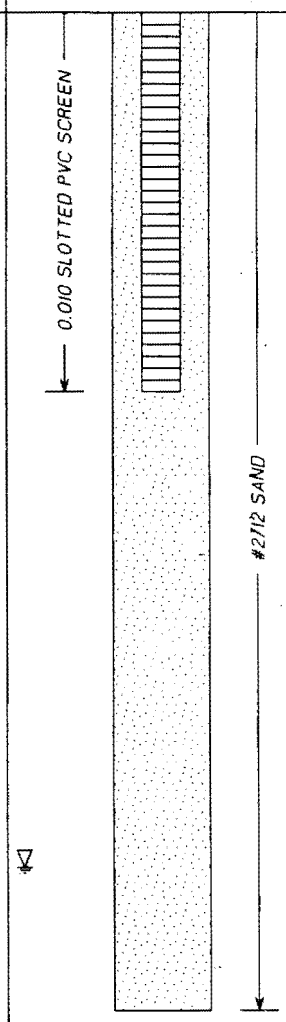
CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW02

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 56.5 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
							SM			
47										47
48										48
49										49
50										50
51										51
52										52
53										53
54										54
55		88	BWBS02S02D56.0	12				**SILTY SAND** olive brown 2.5Y5/4, moist, very dense, wet, micaceous, no to low plasticity (70% sand, 30% fines)		55
56				25 32				Color changes to dark gray 2.5Y4/1		56
57								BORING COMPLETED TO 56.5 FEET BGS SET MONITORING WELL, GROUND WATER FIRST ENCOUNTERED AT 55' BGS, GROUNDWATER AT 40.4' BGS AFTER 1 HOUR 40 MINUTES		57
58										58
59										59
60										60
61										61
62										62



OGDEN

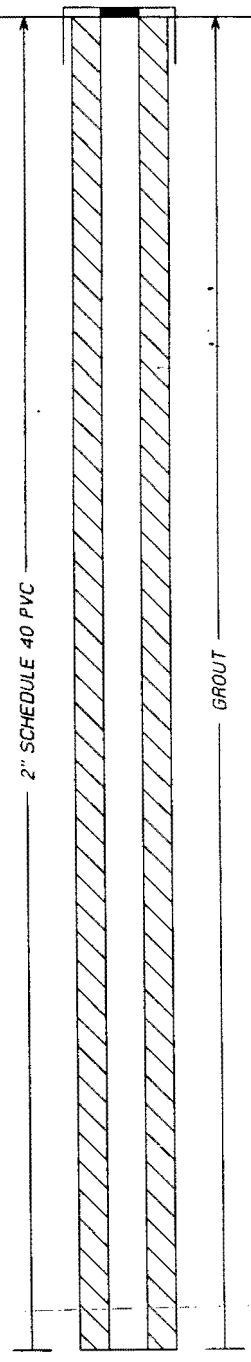
BORING LOG

CLIENT: Chula Vista Industrial Realty, Inc.
PROJECT NAME/NUMBER: Brandywine Dist. Ctr, NO. 570920144
DATE/TIME STARTED: 02-18-96 / 1215
DATE/TIME FINISHED: 02-18-96 / 1430
COORDINATES: N/A.
ELEVATION AND DATUM: -
TOP OF CASING ELEVATION: 155.16

BORING NUMBER: BS-MW03
COMPLETION DEPTH: 76 ft.
BOREHOLE DIAMETER: 8"
DRILLER/COMPANY: Russ/ Valley Well
DRILLING METHOD/FLUID: Hollow Stem Auger
DRILLING EQUIPMENT: Failing F-6
GEOLOGIST: D. Barrie
CHECKED BY: J. Jones

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
							SC	Asphalt at surface ALLUVIUM/TERRACE DEPOSITS
1								
2								**CLAYEY SAND** light yellowish brown 10YR5/8, fine-grained, moist, micaceous, low plasticity (80% sand, 20% fines)
3								
4								
5								
6								
7								
8								
							CL	
9								
10		44	BWBS03S01D10.5	10	0.0			**LEAN CLAY WITH SAND** light olive brown 2.5Y5/4, moist, hard, micaceous, medium plasticity (40% sand, 60% fines)
				17				
11				17				ALLUVIUM/TERRACE DEPOSITS
12								
13								
14								

WELL DIAGRAM



OGDEN

BORING LOG

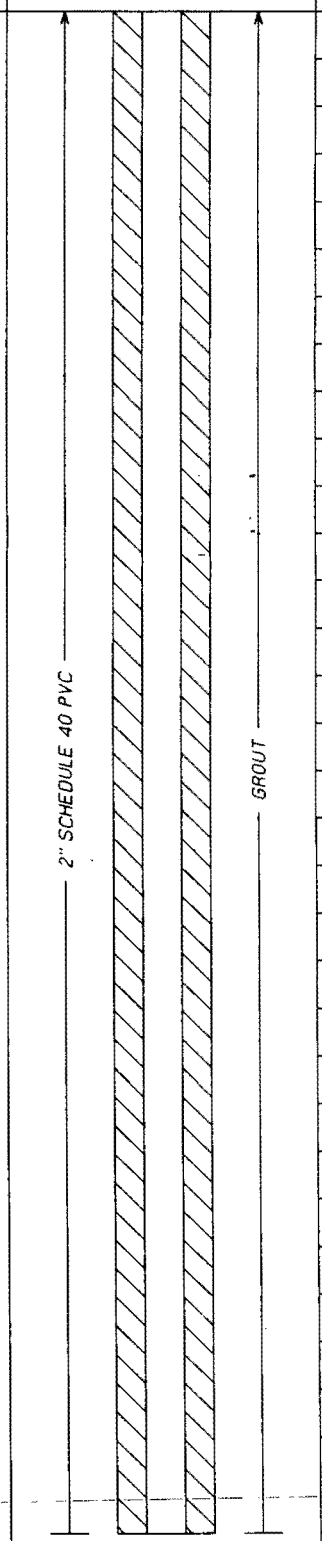
CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW03

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 76 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
							CL			
15							SC			15
16										16
17										17
18										18
19										19
20					0.0			**CLAYEY SAND** dark yellowish brown 10YR4/4, moist, low plasticity, sand is fine- to medium-grained (80% sand, 20% fines)		20
21										21
22										22
23										23
24										24
25										25
26										26
27										27
28										28
29										29
30										30



OGDEN

BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.

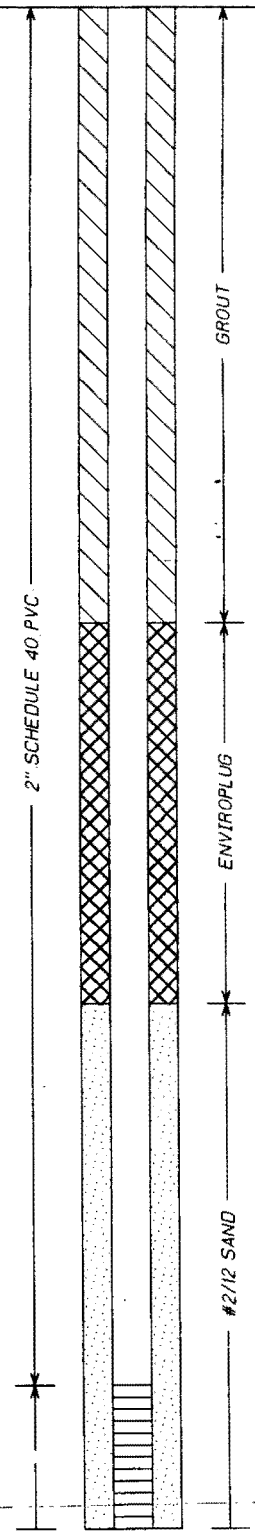
BORING NUMBER BS-MW03

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 76 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
					0.0		SC	**CLAYEY SAND** fine- to medium-grained, same as above
31								
32								
33								
34								
35								
36								
37								
38								**POORLY GRADED SAND WITH SILT** dark yellowish brown 10YR4/4, dry, fine- to medium-grained sand (90% sand, 10% fines)
39								
40					0.0		SC	Abundant cobbles, difficult drilling, rig chatter, cobble fragments are metavolcanic and granitic rock
41								
42								
43								
44								
45								
46								

WELL DIAGRAM



DEPTH feet

OGDEN

BORING LOG

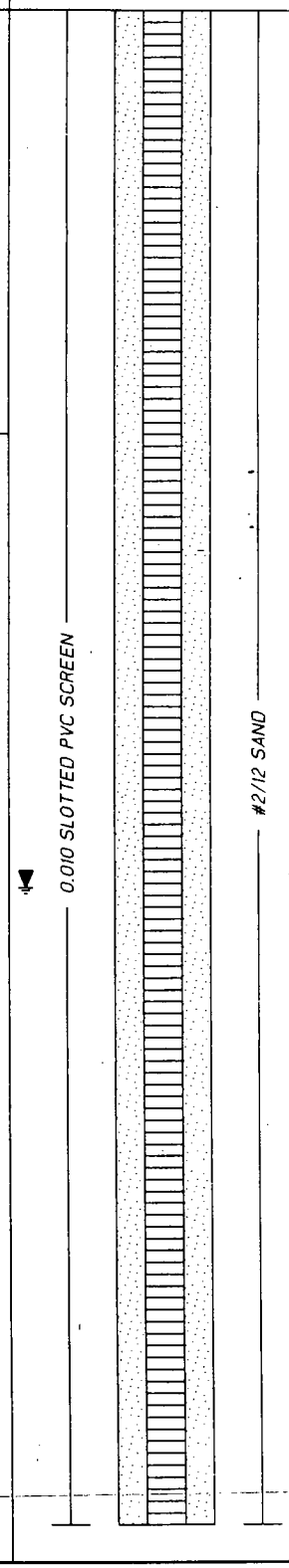
CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW03

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 76 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
47							SC			47
48										48
49										49
50					0.0			**CLAYEY SAND** dark yellowish brown 10YR4/4, moist, medium plasticity (80% sand, 20% fines)		50
51							SC	SAN DIEGO FORMATION Silty sand cuttings		51
52										52
53										53
54										54
55										55
56										56
57										57
58										58
59										59
60								Silty sand cuttings		60
61										61
62										62



OGDEN

BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW03

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 76 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
							SC			
63										63
64										64
65		100		15				**SILTY SAND** olive brown 2.5Y4/4, moist, dense, micaceous, sand is strong brown 7.5YR4/6, fine-grained, mottled, moist to wet (80% sand, 20% fines)		65
				25						
66				40						66
67										67
68										68
69									#2/12 SAND	69
70										70
71										71
72										72
73										73
74										74
75			BWBS03S03D75.5	15				**POORLY GRADED SAND** olive brown 2.5Y4/4, wet, dense, micaceous (95% sand, 5% fines)		75
				27						
76								BORING COMPLETED TO 76 FEET BGS		76
								SET MONITORING WELL, GROUND WATER FIRST ENCOUNTERED AT 65' BGS, GROUNDWATER AT 55.3' AFTER 53 MINUTES		
77										77
78										78

OGDEN

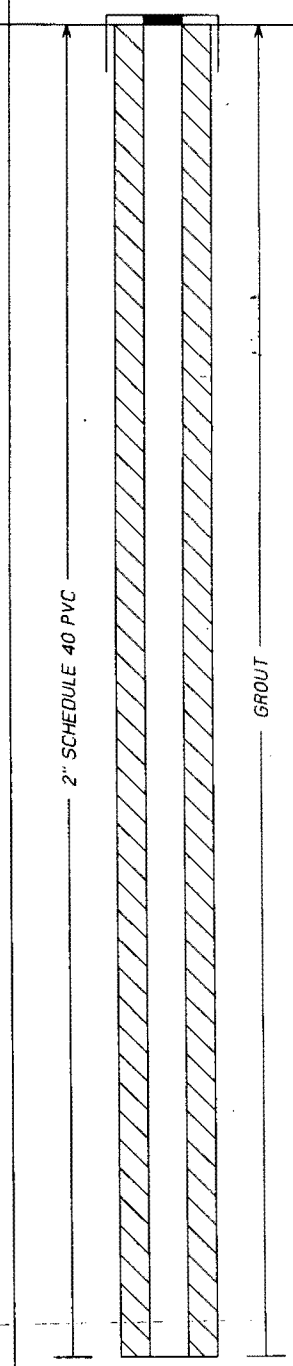
BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.
PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144
DATE/TIME STARTED 02-11-96 / 0845
DATE/TIME FINISHED 02-11-96 / 1300
COORDINATES N/A,
ELEVATION AND DATUM -
TOP OF CASING ELEVATION 173.59

BORING NUMBER BS-MW04
COMPLETION DEPTH 86.5 ft.
BOREHOLE DIAMETER 8"
DRILLER/COMPANY Russ/ Valley Well
DRILLING METHOD/FLUID Hollow Stem Auger
DRILLING EQUIPMENT Failing F-6
GEOLOGIST D. Barrie
CHECKED BY J. Jones

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
							SC SM	Asphalt at surface **SILTY SAND** light olive brown 2.5Y5/6, moist, probable fill
7							SC SM	
10		5		9 10				**SILTY/CLAYEY SAND** olive brown 2.5Y4/4, moist, medium dense, contains scattered cobbles and gravels, granitic, poor recovery due to cobbles and gravels, insufficient material to collect sample, probable fill (trace gravel, 70% sand, 30% fines)
11			BWBS04S01D10.5	11				

WELL DIAGRAM



DEPTH feet: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

OGDEN

BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.

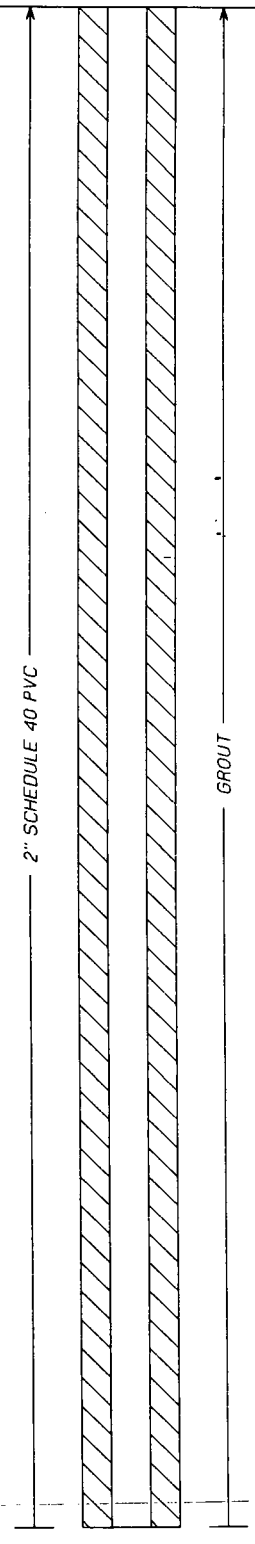
BORING NUMBER BS-MW04

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 86.5 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
							SC SM	
15		22		20	0.0		SC	**SILTY SAND** dark grayish brown 7.5Y4/2, fine-grained, moist, medium dense, no to low plasticity, insufficient recovery to sample, probable fill (trace gravel, 75% sand, 25% fines)
				20				
16								
17								
18								
19								
20								
21								
22								
23								
24								Probable fill soils to approximately 25' bgs based on estimated height of fill slope adjacent to boring location
							SC	ALLUVIUM/TERRACE DEPOSITS
25		33		25	0.0			**SILTY SAND** dark yellowish brown 10YR4/4, moist, fine-grained, very dense
				40				
26			BWBS04S01D26.5	50				
27								
28								
29								
30					0.0			

WELL DIAGRAM



DEPTH feet

OGDEN

BORING LOG

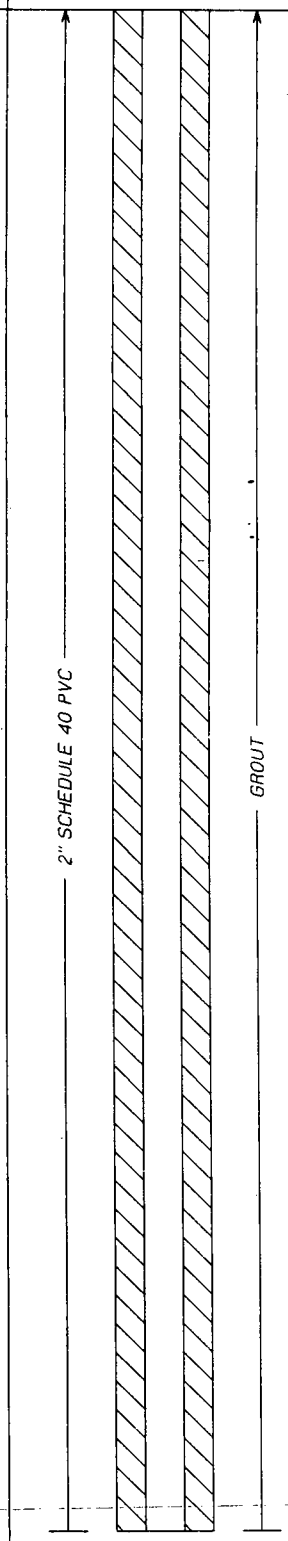
CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW04

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 86.5 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
							SC	**SITLY SAND** dark yellowish brown 10YR3/6, moist, same as above		
31										31
32							CL			32
33										33
34										34
35										35
36					1.0			**LEAN CLAY WITH SAND AND GRAVEL** dark yellowish brown 10YR4/4, moist, low plasticity, scattered gravels up to an inch in diameter, fine-grained sand (20% gravel, 15% sand, 65% fines)		36
37										37
38										38
39										39
40										40
41										41
42										42
43										43
44							SM			44
45										45
46										46



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BORING LOG

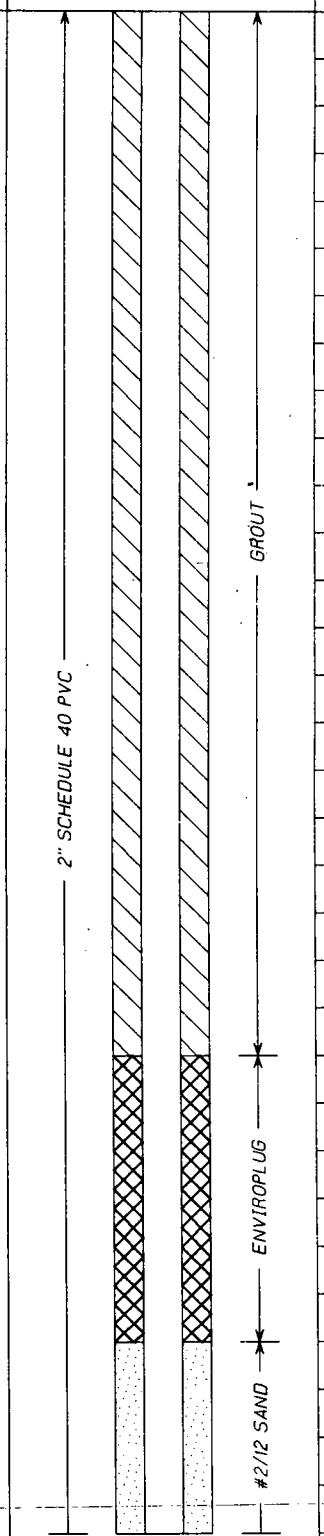
CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW04

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 86.5 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
							SM			
47										47
48					2.0			**SILTY SAND** dark yellowish brown 10YR4/4, moist fine-grained (85% sand, 15% fines)		48
49										49
50										50
51										51
52										52
53										53
54										54
55										55
56										56
57								**SILTY SAND** same as above		57
58										58
59										59
60										60
61										61
62										62



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BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.

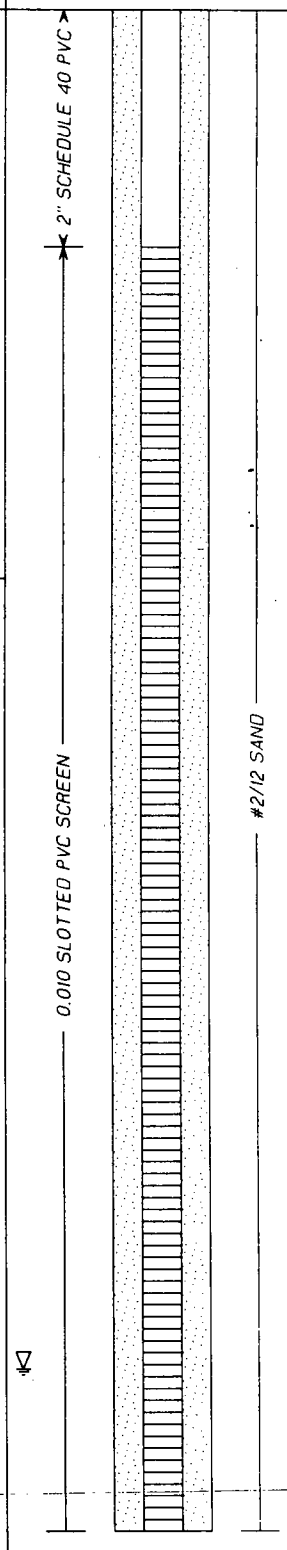
BORING NUMBER BS-MW04

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 86.5 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
63							SM	
64								
65		40		75				2" Metavolcanic cobble- no soil recovered
66								
67					1.0			
68							SM	SAN DIEGO FORMATION
69								
70		94		20				**SILTY SAND** light olive brown 2.5Y4/4, moist, very dense, mottled, fine-grained, light gray 2.5Y7/1, iron oxide staining locally, micaceous (80% sand, 20% fines)
				28				
71				40				
					0.0			
72								
73								
74								
75		77	BWBS04S02D76.5	25				**SILTY SAND** olive brown 2.5Y4/4 to brown 10YR5/3, moist to wet, fine-grained, very dense, same as above (85% sand, 15% fines)
				35				
76				45				
77								
78								

WELL DIAGRAM



DEPTH feet: 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78

OGDEN

BORING LOG

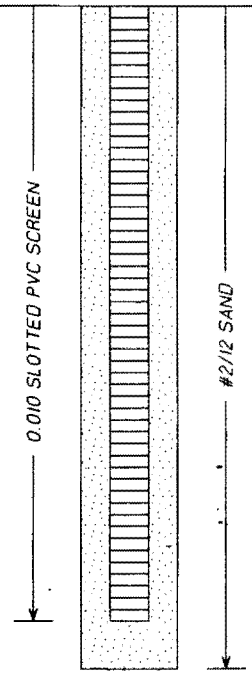
CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW04

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 86.5 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
							SM			
79										79
80										80
81										81
82										82
83										83
84										84
85		88	BWBS04S03D86.0	25				**POORLY GRADED SAND WITH SILT** dark yellowish brown 10YR4/6, moist to wet, very dense (90% sand, 10% silt)		85
				35	1.0					
86				50						86
								BORING COMPLETED TO 86.5 FEET BGS		
87										87
								SET MONITORING WELL, GROUND WATER FIRST ENCOUNTERED AT 76.3' BGS		
88										88
89										89
90										90
91										91
92										92
93										93
94										94



OGDEN

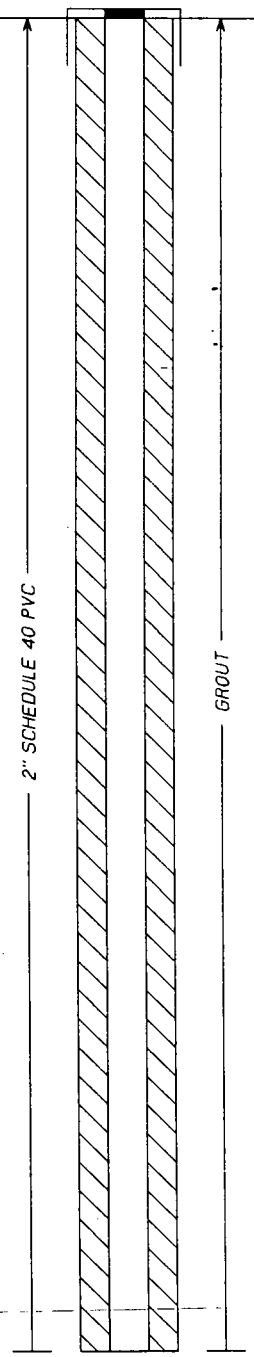
BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.
PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144
DATE/TIME STARTED 02-10-96 / 0910
DATE/TIME FINISHED 02-11-96 /
COORDINATES N/A,
ELEVATION AND DATUM
TOP OF CASING ELEVATION 175.85

BORING NUMBER BS-MW05
COMPLETION DEPTH 91 ft.
BOREHOLE DIAMETER 8"
DRILLER/COMPANY Russ/ Valley Well
DRILLING METHOD/FLUID Hollow Stem Auger
DRILLING EQUIPMENT Failing F-6
GEOLOGIST D. Barrie CHECKED BY J. Jones

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
								Asphalt at surface
							SM	SAN DIEGO FORMATION
1								Silty sand cuttings
2								
3								
4								4" cobble noted in cuttings
5								
6								
7								
8								
9								
10		61	BWBS05S01D10.0	15	0.0			**SILTY SAND** light olive brown 2.5Y5/6, moist, locally mottled gray (80% sand, 20% fines)
				30				
11				30				
12								
13								
14								

WELL DIAGRAM



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BORING LOG

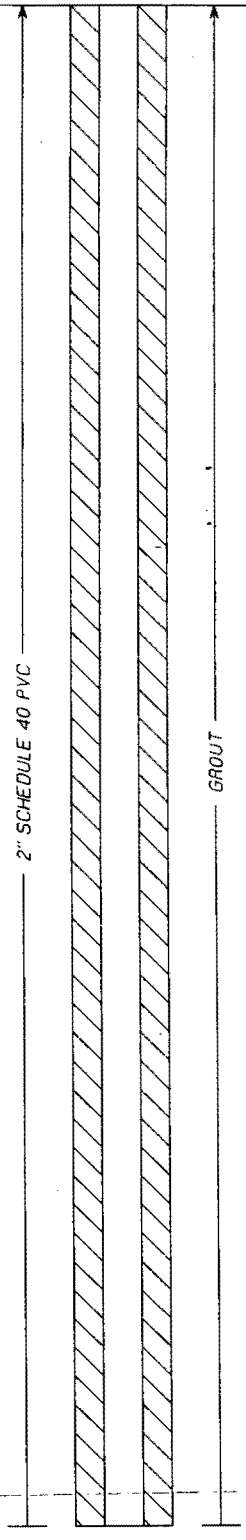
CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW05

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 91 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
							SM			
15										15
16										16
17										17
18										18
19										19
20								Silty sand cuttings		20
21										21
22										22
23										23
24										24
25								SILTY SAND cuttings slightly darker than above		25
26										26
27										27
28										28
29										29
30		77	BWBS05S02D31.5	20	1.0					30



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BORING LOG

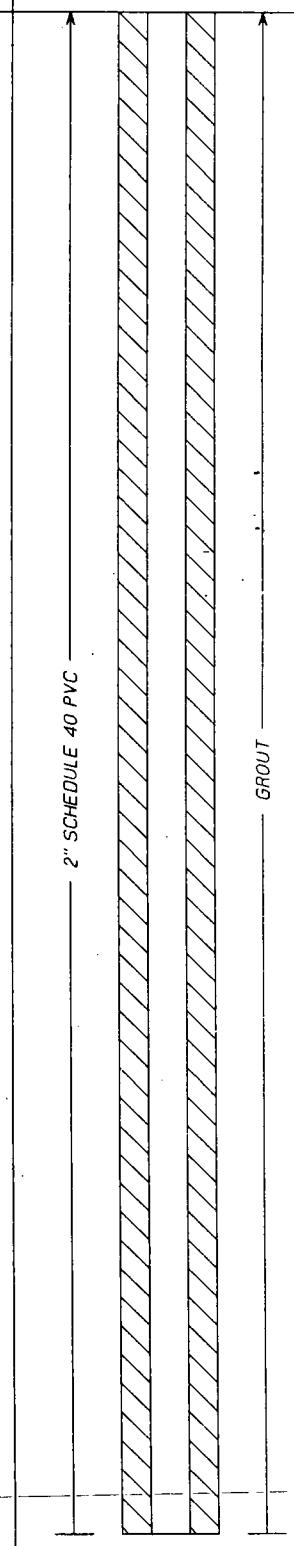
CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW05

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 91 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
				30			SM	SILTY SAND light yellowish brown 2.5Y6/3, moist, very dense, fine-grained, locally iron-oxide stained (85% sand, 15% fines)		
31				50						31
32										32
33										33
34										34
35										35
36										36
37										37
38										38
39										39
40								Silty sand cuttings, same as above		40
41										41
42										42
43										43
44										44
45		100	BWBS05S03D46.0	35				SILTY SAND same as above with less iron-oxide staining, (85% sand, 15% silt)		45
				50						
46										46



OGDEN

BORING LOG

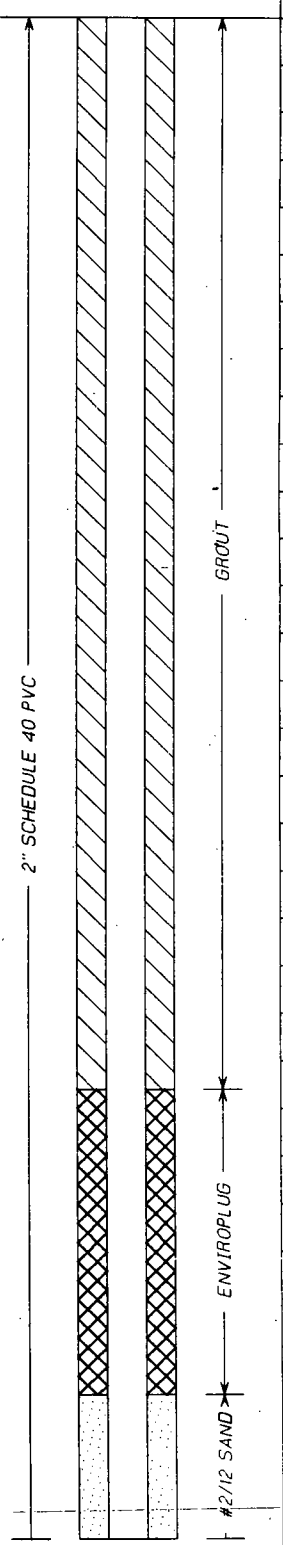
CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW05

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 91 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
							SM			
47										47
48										48
49										49
50										50
51										51
52										52
53								Silty sand cuttings, same as above		53
54										54
55										55
56										56
57										57
58										58
59										59
60					0.0			**SITLY SAND** olive brown 2.5Y4/4, moist, very dense, no odor, darker color than above, slightly more moist, water droplets in headspace bag (85% sand, 15% fines)		60
61										61
62										62



OGDEN

BORING LOG

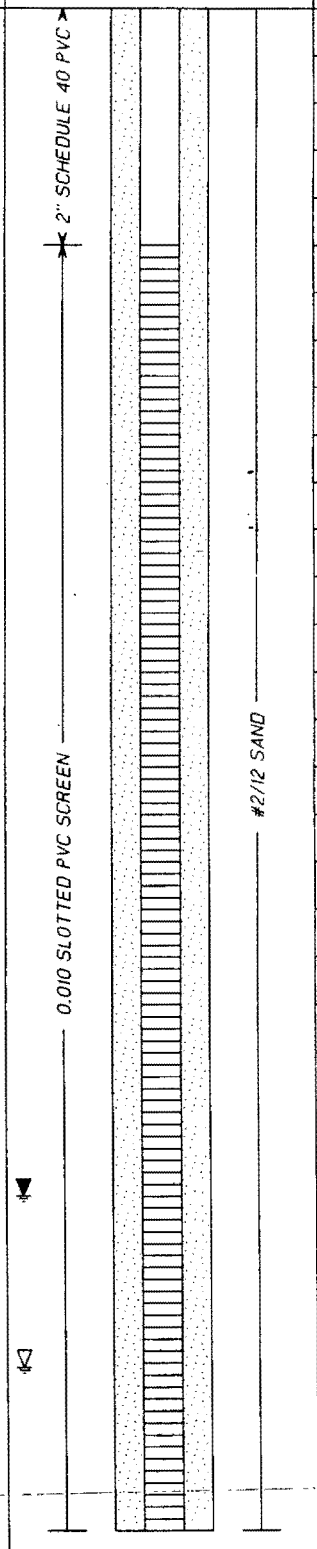
CLIENT Chula Vista Industrial Realty, Inc.

BORING NUMBER BS-MW05

PROJECT NAME/NUMBER Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 91 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION	WELL DIAGRAM	DEPTH feet
							SM			
63										63
64										64
65										65
66										66
67										67
68										68
69										69
70					0.0			**SILTY SAND** same as above but slightly higher percent of fines (80% sand, 20% fines)		70
71										71
72										72
73										73
74										74
75								**SILTY SAND/CLAYEY SAND** olive brown 2.5Y4/3, moist, very dense, cuttings have 1/2" to 1" balls, (80% sand, 20% fines)		75
76										76
77										77
78										78



OGDEN

BORING LOG

CLIENT Chula Vista Industrial Realty, Inc.

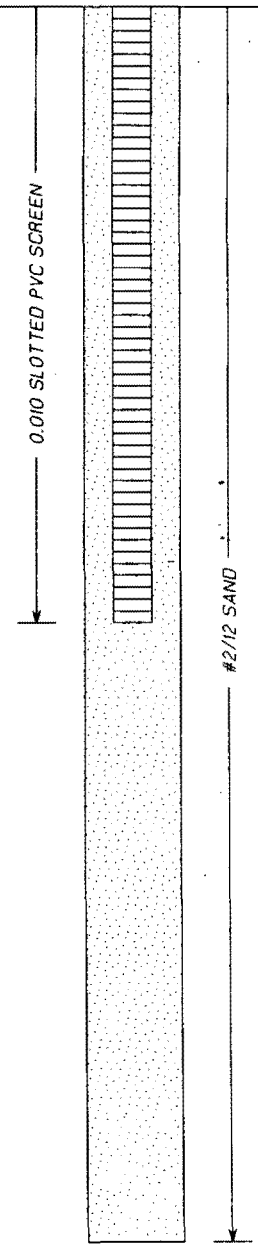
BORING NUMBER BS-MW05

PROJECT NAME/NUMBER: Brandywine Dist. Ctr, NO. 570920144

COMPLETION DEPTH 91 ft.

DEPTH feet	SAMPLE	RECOVERY %	SAMPLE NUMBER	BLOW COUNT	HEADSPACE (ppm)	GRAPHIC LOG	SOIL CLASS	DESCRIPTION
							SM	
79								
80								
81								
82					0.0		CL	**LEAN CLAY WITH SAND** dark grayish brown 2.5Y4/2, moist, driller reports drilling slightly different, low to medium plasticity, fine-grained sand (15% sand, 85% fines)
83								
84							SM	
85			BWBS05S04D85.5	25	0.0			**POORLY GRADED SAND WITH SILT** olive brown 2.5Y4/3, wet, very dense, fine- to medium-grained, micaceous, free water in sample, (sampler dripping) (90% sand, 10% fines)
				50				
86								
87								
88								
89								
90		75		40				**SILTY SAND** very dark gray 2.5Y3/1, very dense, slightly organic odor, moist to wet (75% sand, 25% fines)
			BWBS05S05D91.0	75				
91								BORING COMPLETED TO 91 FEET BGS
								SET MONITORING WELL, GROUND WATER FIRST ENCOUNTERED AT 76.5' BGS, GROUNDWATER AT 74.5' BGS 40 MINUTES LATER
92								
93								
94								

WELL DIAGRAM



DEPTH feet: 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94

ULS REPORT

FACSIMILE

TOTAL NUMBER OF PAGES	5 (inclusive)
DATE	2-5-96
TO	
FACSIMILE NUMBER	458-0943
ATTENTION	Don Barrie
COMPANY	OGDEN
ADDRESS	
CITY, STATE, ZIP	San Diego
FROM	
ULS SERVICES COMPANY Specialized Services for Environmental and Construction Engineering	**ULS SERVICES COMPANY** **P.O. Box 724** **242 W. Lewis** **Pocatello, ID 83204-0724** **(800) 528-8206 (208) 234-1441**
TELEPHONE	800-528-8206

Please call (800) 528-8206 if you have difficulty reading this document.

COMMENTS: Don - Paperwork from today
Any questions please call.

NOTE: This document is confidential and if you are not the intended recipient, disclosure, copying, or distribution of this information is prohibited. Please notify us at the number shown above so that we may retrieve the document at no cost to you.

Thank you, Chris Reimer

ULS Services Company

775 Yellowstone Avenue
Pocatello, Idaho 83201
(800) 528-8206

5580 La Jolla Boulevard
La Jolla, California 92037-7651
(619) 459-8598

ULS SERVICES COMPANY
Specialized Services for Environmental and Construction Engineering

WORK ORDER AGREEMENT

WORK ORDER AGREEMENT		ORDER DATE:	ORDERED BY: Don Barrie
JOB SITE LOCATION: 1690, 1670 Brandywine	JOB P.O. No.:	CLIENT: Ogden	
CITY: Chula Vista	STATE: Ca	BILLING ADDRESS: 5510 Morehouse Dr.	
PHONE:	BOOK/PAGE-ZONE:	CITY, STATE, ZIP: San Diego, Ca 92121	
SITE CONTACT: Don	JOB DATE: 2-5-96	PHONE: 619-458-9044 FAX 619-458-0943	

WORK REQUESTED: (SCOPE OF WORK)

Conductive Utility Survey in and around 5 proposed borings

WORK PERFORMED:

TRAVEL HOURS	
LABOR HOURS	2.0
DOWN HOURS	

* EMPCL Conductive Utility Survey
  - Utilized passive, ground induction and connection modes. Located utilities marked with pink painted arrows indicating direction. Approx 10'x10' survey zone around each point painted with pink boxes ( ).
* EMIMD Inductive Survey for any metal mass anomolies

CAUTION: Some conductive and non-conductive utilities may or may not be located due to uncontrolled circumstances, ie (soil content, PVC pipe, reinforced concrete, etc) Strongly suggest exhausting all possible source of info, ie (as builts, USA/Digline etc.

Chris Reimer SIGNATURE OF ULS REPRESENTATIVE	DATE 2-5-96

NOTE: THE WORK PERFORMED ABOVE IS PERFORMED TO INDUSTRY STANDARDS (OR HIGHER); HOWEVER, IT IS THE RESPONSIBILITY OF THE CLIENT OR EXCAVATOR TO CONTACT ALL UNDERGROUND FACILITY OWNERS AND TO DETERMINE THE EXACT LOCATION OF UNDERGROUND FACILITIES BEFORE EXCAVATING. EXCAVATION WORK NEAR UNDERGROUND FACILITIES MAY RESULT IN INJURY TO PERSONS OR DAMAGE TO FACILITIES. THE CLIENT OR EXCAVATOR WILL TAKE ALL STEPS NECESSARY TO AVOID CONTACT WITH UNDERGROUND FACILITIES. STATE LAW MAY REQUIRE THAT HAND TOOLS BE USED TO UNCOVER FACILITIES WHEN WORKING WITHIN 2 FEET OF EITHER SIDE OF FACILITY. LAW MAY VARY. ULS AND ITS REPRESENTATIVES ARE NOT RESPONSIBLE FOR INJURY TO PERSONS OR DAMAGE TO FACILITIES. CLIENT'S SIGNATURE BELOW IS ACCEPTANCE OF RESPONSIBILITY AND ACKNOWLEDGMENT OF SATISFACTORY COMPLETION OF WORK PERFORMED ABOVE. THIS DOCUMENT WILL ALSO BE FAXED TO CLIENT FOR ACKNOWLEDGMENT OF ABOVE.

	FAXED 2-5-96	FAXED DATE: 2-5-96
ULS SERVICES COMPANY Michael W. Benedict or Steve Wilkins	CLIENT	TELEPHONED DATE:

EMIMD SURVEY
SITE INFORMATION AND CALIBRATION SHEET

Client: OGDEN
Project Name: 1610 + 1670 Brandywine
Date: 2-5-96
Surveyor Name: Chris Reimer
Unit Model Name: TW-6 or Gemini 3
Serial NO.:

Survey Scope(ie.Ust, Debris): Any Metal Mass anomalies
Construction Medium(Reference if known, ie Steel, fiberglas)

Calibration(Site Specific EM Signal Noise Adjustment)
Instrument Highth(ft): 1
Sensitivity Setting : 6

Ground Surface Type: asphalt

SURVEY DATA

Trial 1	Highth	: 1
	Setting	: 6
Trial 2	Highth	: 1
	Setting	: 4

Surface Metal Interference: none
Utility INterference : none

Anomaly Shape(Surface Projection): none
Dimensions:
Nearest Reference Point(ie. Bldg.):

Site Description: Asphalt parking areas around industrial bldg.

Misc. Notes or Problems: No Metal Mass Anomalies located

UST Inside Tank Measurements

UST 1			UST 2			UST 3		
B =			B =			B =		
T =			T =			B =		
Dia =			Dia =			Dia =		

ELECTROMAGNETIC PIPE AND CABLE LOCATION
(EMPCL)
QA/QC SITE SHEET

Client: OGDEN
Project Name 1690 + 1670 Brandywine
Date: 2-5-96
Surveyor Name: Chris Reimer
Unit Model Name RD 400 Receiver & RD400 Standard or HPTX High Watt Transmitter
Serial No s: Receiver _____
Trans. _____

METHOD TO PERFORM	Specific Comments and Limitations	Surveyor Initial	See Pg. 2
PASSIVE MODE			
50/60 hertz (power)		CR	
Radio (VLF)		CR	
(8 and 33 khertz)		CR	
GROUND INDUCTION MODE			
Spread 33 khertz		CR	
Inline Specific Lines		CR	
T 's or Branches ??		CR	
Parallel Lines(closely spaced)		CR	
SITE VISUAL INSPECTION of UTILITIES and CONNECTION MODE			
Propane AST	None Observed	CR	
Natural Gas Meter	None Observed	CR	
Electric Meter	Transformer @ MW04	CR	*
Telephone/Cable TV	CAUTION @ MW03 + 04	CR	*
Misc. Conduits	None Observed	CR	
Fuel Lines	None Observed	CR	
Water Main/Well Pump			
Domestic		CR	
Fire Hydrants	Near MW01	CR	*
Fire Sprinklers	None observed	CR	
Irrigation	Caution for PVC irrigation	CR	
Light Poles	None observed	CR	
MANHOLE LID INSPECTION for UTILITY TREND DIRECTION			
Sewer and Clean-out	Manhole's in Brandywine	CR	*
Storm Drain (or inlet)	None observed	CR	
Electric	None observed	CR	
Telephone	None observed	CR	
FIBER OPTIC CABLES??	UNKNOWN	CR	
PLASTIC WATER PIPES??	UNKNOWN	CR	
OVERHEAD LINES IN AREA??	NO	CR	

Ground to Earth Conditions? Soil - Moist or Dry/concrete/ Good Poor?
Review of Utility Drawings and Client Review _____

NOTE: If indicated after Surveyor Initial (**) please refer to page 2 for additional Comments and Limitations

ULS SERVICES COMPANY
SPECIALIZED SERVICES FOR ENVIRONMENTAL AND CONSTRUCTION ENGINEERING

EMPCL QA/QC SITE SHEET
SPECIFIC COMMENTS - LIMITATIONS
page____

ient: OGDEN
Project Name: MW04 16CO Brandywine
Date: 2-5-96
SurveyorName: Chris Reimer

* Caution for electric at Transformer near MW04 Signal trends E to W near USA marked telephone
* Caution for tel. at MW04 and MW03
* Caution for H_2O to Fire Hydrant near MW01 Signal trends N S
* Caution for Sewer no cleanouts observed. Manholes in Brandywine unable to obtain visual trend

WELL DEVELOPMENT AND GROUND-WATER SAMPLING LOGS

OGDEN

WELL DEVELOPMENT

PROJECT	WELL NO.
Brandywine	MW-1
JOB NO. / SITE	PREPARED BY JC

METHOD:
- OVERPUMPAGE _____
- BAILER ✓
- SURGE BLOCK _____
- AIR LIFT _____
- OTHER _____

INITIAL WATER LEVEL 52.3' bgs

FINAL WATER LEVEL _____

REMARKS:

CAPACITY OF CASING (GALLONS / LINEAR FOOT)
- 2" - 0.16
- 4" - 0.65
- 6" - 1.47

VOLUME BETWEEN CASING AND HOLE (GALLONS / LINEAR FOOT) (ASSUMING 40% POROSITY)
- ~~2" CASING AND 6" HOLE = 0.52~~
- 2" CASING AND 8" HOLE = 0.98
- 4" CASING AND 10" HOLE = 1.37
- 4" CASING AND 12" HOLE = 2.09

HOLE DIAMETER d_h = 8"

WELL CASING INSIDE DIAMETER d_w ID = _____

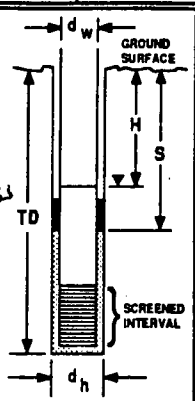
OUTSIDE DIAMETER d_w OD = 2"

DEPTH TO: WATER LEVEL H = 52.3' bgs

BASE OF SEAL S = _____

BASE OF WELL TD = 69.5

EST. FILTER PACK POROSITY P = _____



WELL VOLUME CALCULATION: 30 feet of screen

CASING VOLUME $= V_C = \pi\left(\frac{d_w ID}{2}\right)^2 (TD - H) = 3.14\left(\frac{\quad}{2}\right)^2 (\quad - \quad) =$ _____

FILTER PACK PORE VOLUME $= V_f = \pi\left[\left(\frac{d_h}{2}\right)^2 - \left(\frac{d_w OD}{2}\right)^2\right](TD - (S \text{ or } H)^*)(P) =$

(*if S>H use S, if S<H use H.)

$3.14\left[\left(\frac{\quad}{2}\right)^2 - \left(\frac{\quad}{2}\right)^2\right](\quad - \quad)(\quad) =$ _____

TOTAL WELL VOLUME $= V_T = V_f + V_C =$ + = _____ ft.^{3} x 7.48 = _____ gal.

DEVELOPMENT LOG:

DATE	TIME BEGIN/END	METHOD	ELAPSED TIME	FLOW RATE (gpm)	CUMULATIVE WATER REMOVED GALLONS	WATER QUALITY pH	CONDUCTIVITY	TURBIDITY	TEMP.	COMMENTS
2-19-96	1600	bailer	0 (BEGIN)	1 gal/min	~~0~~ 20	5.85	5.88	very turbid	70.8	
↓	1605	↓	5	↓	25	5.86	5.93	"	70.1	
	1610		10		30	5.93	4.03	mod. turbid	70.3	
	1615		15		35	5.95	4.05	↓	69.5	
	1650		20		35	5.92	5.12		66.7	let well recharge for 30 minutes
	1652		52		37	5.94	4.87		68.0	
	1655		55		40	5.88	5.48		68.4	
	1700		60		45	5.84	6.22		67.7	
↓	1703	↓	63	↓	48	5.88	6.01		67.8	
	1705	↓	65	↓	50	5.91	5.92	↓	68.0	

Note: Began pursing at 1300 on 2-19-96 - Did not begin taking parameters until 20 gallons of H_2O had been removed.

OGDEN

WELL DEVELOPMENT

PROJECT		WELL NO. MW-02
JOB NO.	SITE Brandywine Mne	PREPARED BY JC

METHOD:
- OVERPUMPAGE ____
- BAILER ✓
- SURGE BLOCK ✓ (Pump)
- AIR LIFT ____
- OTHER ____

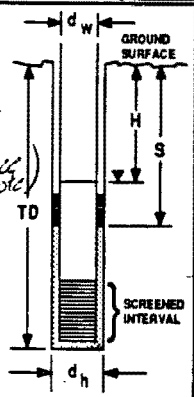
INITIAL WATER LEVEL 30.5 bgs
FINAL WATER LEVEL 42.5 bgs

REMARKS: Attempted to use surge block but it didn't work so H_2O level is reflecting potable H_2O out in well.

CAPACITY OF CASING (GALLONS / LINEAR FOOT)
- 2" - 0.16
- 4" - 0.65
- 6" - 1.47

VOLUME BETWEEN CASING AND HOLE (GALLONS / LINEAR FOOT) (ASSUMING 40% POROSITY)
- 2" CASING AND 6" HOLE = 0.52
- 2" CASING AND 8" HOLE = 0.98
- 4" CASING AND 10" HOLE = 1.37
- 4" CASING AND 12" HOLE = 2.09

HOLE DIAMETER d_h = 2"
WELL CASING INSIDE DIAMETER d_w ID = ____
OUTSIDE DIAMETER d_w OD = ____
DEPTH TO: WATER LEVEL H = 30.5 (bgs)
BASE OF SEAL S = ____
BASE OF WELL TD = 60
EST. FILTER PACK POROSITY P = ____



WELL VOLUME CALCULATION:

CASING VOLUME = $V_C = \pi\left(\frac{d_w ID}{2}\right)^2 (TD-H) = 3.14\left(\frac{\quad}{2}\right)^2 (\quad - \quad) =$ ____

FILTER PACK PORE VOLUME = $V_f = \pi\left[\left(\frac{d_h}{2}\right)^2 - \left(\frac{d_w OD}{2}\right)^2\right](TD-(S \text{ or } H)^*)(P) =$

(*if S>H use S, if S<H use H.)

$3.14\left[\left(\frac{\quad}{2}\right)^2 - \left(\frac{\quad}{2}\right)^2\right](\quad - \quad)(\quad) =$ ____

TOTAL WELL VOLUME = $V_T = V_f + V_C =$ + ~~29.5~~ ft.^{3} × 7.48 = ~~24~~ ~24.32 gal.

casing = 4.72 gallons
filter = 19.60 gal
10 bailers
5 gall back
0.5 gallons/bailer
~~2.25~~ gallons/bailer

DEVELOPMENT LOG:

DATE	TIME BEGIN/END	METHOD	ELAPSED TIME	FLOW RATE (gpm)	CUMULATIVE WATER REMOVED GALLONS	WATER QUALITY pH	CONDUCTIVITY	TURBIDITY	TEMP.	COMMENTS
2-19-96	9:45	bail	0 (BEGIN)	5 bailer	~~0~~ 5	6.64	2.34E3	very dirty	73.3	
"	~~9~~58	"	13	"	10	6.42	1.59E3	"	72.2	
"	1002	"	~~14~~ 27	"	15	6.46	1.70E3	"	68.5	
"	1024	"	39	"	20	6.50	2.17E3	"	69.0	
"	1037	"	52	"	25	6.35	2.70E3	"	70.4	
"	1052	"	67	"	30	6.24	3.09E3	"	74.9	
"	1110	"	85	"	35	6.20	3.03E3	"	70.9	
"	1124	"	97	"	40	6.06	3.20E3	"	73.6	
"	1205	"	125	"	45	6.17	3.50E3	"	78.1	lunch break (15 min)
"	1220	"	140	"	~~50~~ 46	6.05	3.39E3	"	75.0	
"	1221	"	141	"	47	6.08	3.30E3	"	73.9	
"	1224	"	144	"	48	6.09	3.30E3	very cloudy	72.2	
"	1225	"	145	"	49	6.09	3.25E3		70.8	
	1227	"	147	"	50	6.03	3.27E3		70.8	

OGDEN

WELL DEVELOPMENT

PROJECT	WELL NO.
Brandywine	MW-03
JOB NO. / SITE	PREPARED BY: JC

METHOD:
- OVERPUMPAGE ____
- BAILER ✓
- SURGE BLOCK ____
- AIR LIFT ____
- OTHER ____

INITIAL WATER LEVEL 46.6' bgs

FINAL WATER LEVEL ____

REMARKS: Initial H_2O level taken @ 1303

CAPACITY OF CASING (GALLONS / LINEAR FOOT)
- 2" - 0.16
- 4" - 0.65
- 6" - 1.47

VOLUME BETWEEN CASING AND HOLE (GALLONS / LINEAR FOOT) (ASSUMING 40% POROSITY)
- 2" CASING AND 6" HOLE = 0.52
- 2" CASING AND 8" HOLE = 0.98
- 4" CASING AND 10" HOLE = 1.37
- 4" CASING AND 12" HOLE = 2.09

HOLE DIAMETER d_h = 8"

WELL CASING INSIDE DIAMETER d_w ID = ____

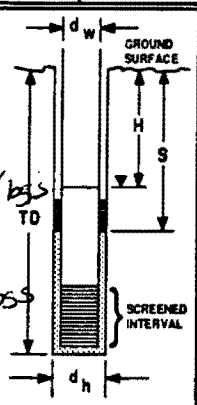
OUTSIDE DIAMETER d_w OD = 2"

DEPTH TO: WATER LEVEL H = 46.6' bgs

BASE OF SEAL S = ____

BASE OF WELL TD = 76' bgs

EST. FILTER PACK POROSITY P = ____



WELL VOLUME CALCULATION: 30 feet of screen

CASING VOLUME $= V_c = \pi\left(\frac{d_w ID}{2}\right)^2 (TD-H) = 3.14\left(\frac{\quad}{2}\right)^2(\quad - \quad) = \_\_\_\_$

FILTER PACK PORE VOLUME $= V_f = \pi\left[\left(\frac{d_h}{2}\right)^2 - \left(\frac{d_w OD}{2}\right)^2\right](TD-(S \text{ or } H)^*)(P) =$

(*if S>H use S, if S<H use H.)

$3.14\left[\left(\frac{\quad}{2}\right)^2 - \left(\frac{\quad}{2}\right)^2\right](\quad - \quad)(\quad) = \_\_\_\_$

TOTAL WELL VOLUME $= V_T = V_f + V_c =$ + = ____ $ft.^3 \times 7.48$ = ____ gal.

DEVELOPMENT LOG:

DATE	TIME BEGIN/END	METHOD	ELAPSED TIME (Minutes)	FLOW RATE (gpm)	CUMULATIVE WATER REMOVED GALLONS	WATER QUALITY pH	CONDUCTIVITY	TURBIDITY	TEMP.	COMMENTS:
2-19-96	1330	bail	0 (BEGIN)	0.5 gal/min	JC 20	5.73	13.0	very turbid	70.9	
	1352		22		22	5.67	13.39	"	73.2	
	1400		30		28	5.59	13.43	"	76.4	
	1431		61		32	5.64	13.27	mod.	74.1	
	1437		67		33.5	5.51	13.37	"	70.0	Allow recharge for 10 minutes
	1453		83		35	5.52	12.78	"	71.0	
	1456		86		35.5	5.53	12.50	"	69.9	
	1459		89		37	5.51	13.68	"	69.8	
	1502		92		38	5.46	13.24	"	69.9	
	1504		94		42	5.44	12.89	"	69.7	
	1507		97		44	5.45	12.89	"	69.8	
	1509		99		46	5.46	13.02	"	67.1	

Note: 20 gallons was purged beginning at 12:44 on 2/19/96

OGDEN

WELL DEVELOPMENT

PROJECT	WELL NO.
BRANDYWINE	MW-04
JOB NO. / SITE	PREPARED BY DSB

METHOD:
- OVERPUMPAGE ____
- BAILER ✓
- SURGE BLOCK ✓ (20 MINS)
- AIR LIFT ____
- OTHER ____

INITIAL WATER LEVEL 75.4 BGS

FINAL WATER LEVEL ____

REMARKS:

CAPACITY OF CASING (GALLONS / LINEAR FOOT)
- 2" - 0.16
- 4" - 0.65
- 6" - 1.47

VOLUME BETWEEN CASING AND HOLE (GALLONS / LINEAR FOOT) (ASSUMING 40% POROSITY)
- 2" CASING AND 6" HOLE = 0.52
- 2" CASING AND 8" HOLE = 0.98
- 4" CASING AND 10" HOLE = 1.37
- 4" CASING AND 12" HOLE = 2.09

HOLE DIAMETER d_h = 8"

WELL CASING INSIDE DIAMETER d_w ID = ____

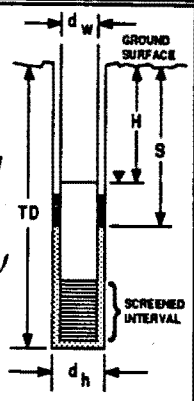
OUTSIDE DIAMETER d_w OD = 2"

DEPTH TO: WATER LEVEL H = 75.4'

BASE OF SEAL S = ____

BASE OF WELL TD = 86.5'

EST. FILTER PACK POROSITY P = ____



WELL VOLUME CALCULATION:

CASING VOLUME $= V_C = \pi\left(\frac{d_w ID}{2}\right)^2 (TD - H) = 3.14\left(\frac{\quad}{2}\right)^2 (\quad - \quad) =$ ____

FILTER PACK PORE VOLUME $= V_f = \pi\left[\left(\frac{d_h}{2}\right)^2 - \left(\frac{d_w OD}{2}\right)^2\right](TD - (S \text{ or } H)^*)(P) =$

(*if S>H use S, if S<H use H.)

$3.14\left[\left(\frac{\quad}{2}\right)^2 - \left(\frac{\quad}{2}\right)^2\right](\quad - \quad)(\quad) =$ ____

TOTAL WELL VOLUME $= V_T = V_f + V_C =$ ____ + ____ = ____ ft.^{3} x 7.48 = ____ gal.

DEVELOPMENT LOG:

DATE	TIME BEGIN/END	METHOD	ELAPSED TIME	FLOW RATE (gpm)	CUMULATIVE WATER REMOVED GALLONS	WATER QUALITY pH	CONDUCTIVITY	TURBIDITY	TEMP.	COMMENTS:
2-12-96	1400	Bail	0 (BEGIN)		10	7.17	1.10	V. Cloudy	68.5	
	1440		40		20	6.53	0.97		75.3	Surge for
	1445		45		25	6.41	0.96		74.9	20 mins. @
	1450		50		27	6.34	0.97		74.0	20 mins.
	1455		55		29	6.23	1.66		74.3	
	1459		59		30	6.22	1.51		74.0	
	1510		70		33	6.17	0.98		74.6	
	1520		80		35	6.13	0.97		74.3	
	1525		85		37	6.11	0.96		74.7	
	1530		90		38	6.05	0.96		75.1	
	1533		93		39	6.00	0.96		75.8	
	1548		108		40	5.97	0.95	Mod. Cloudy	75.5	
	1551		111		41	5.96	0.95		76.6	
	1600		120		42	5.95	0.95		75.5	

OGDEN

WELL DEVELOPMENT

PROJECT	WELL NO.
BRANDYWINE	MW-05
JOB NO. / SITE	PREPARED BY DSB

METHOD:
- OVERPUMPAGE _____
- BAILER ✓
- SURGE BLOCK ✓
- AIR LIFT 20 MINS
- OTHER _____

INITIAL WATER LEVEL 74.1 BGS

FINAL WATER LEVEL _____

REMARKS:

CAPACITY OF CASING (GALLONS / LINEAR FOOT)
- 2" - 0.16
- 4" - 0.65
- 6" - 1.47

VOLUME BETWEEN CASING AND HOLE (GALLONS / LINEAR FOOT) (ASSUMING 40% POROSITY)
- 2" CASING AND 6" HOLE = 0.52
- 2" CASING AND 8" HOLE = 0.98
- 4" CASING AND 10" HOLE = 1.37
- 4" CASING AND 12" HOLE = 2.09

HOLE DIAMETER d_h = 8"

WELL CASING INSIDE DIAMETER d_w ID = 2"

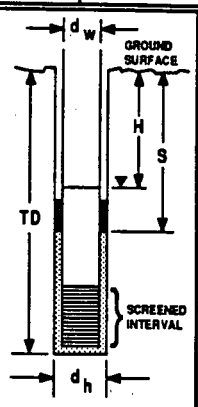
OUTSIDE DIAMETER d_w OD = 2"

DEPTH TO: WATER LEVEL H = 74.1'

BASE OF SEAL S = _____

BASE OF WELL TD = 91'

EST. FILTER PACK POROSITY P = _____



WELL VOLUME CALCULATION:

CASING VOLUME = $V_C = \pi\left(\frac{d_w ID}{2}\right)^2 (TD - H) = 3.14\left(\frac{\quad}{2}\right)^2 (\quad - \quad) =$ _____

FILTER PACK PORE VOLUME = $V_f = \pi\left[\left(\frac{d_h}{2}\right)^2 - \left(\frac{d_w OD}{2}\right)^2\right](TD - (S \text{ or } H)^*)(P) =$

(*if S>H use S, if S<H use H.)

$3.14\left[\left(\frac{\quad}{2}\right)^2 - \left(\frac{\quad}{2}\right)^2\right](\quad - \quad)(\quad) =$ _____

TOTAL WELL VOLUME = $V_T = V_f + V_C =$ + = _____ ft.^{3} x 7.48 = _____ gal.

DEVELOPMENT LOG:

DATE	TIME BEGIN/END	METHOD	ELAPSED TIME	FLOW RATE (gpm)	CUMULATIVE WATER REMOVED GALLONS	WATER QUALITY pH	CONDUCTIVITY	TURBIDITY	TEMP.	COMMENTS:
2-12-96	16:30	Bail	0 (BEGIN)		11.5	5.92	5.80	V. Turbid	60.8	V. TURBID
↓	16:33	↓	3		13	5.86	14.82	MOD.	60.9	0-9 Gal 5.
	16:35		5		13.5	5.91	14.76	↓	61.0	
	16:36		6		14	5.88	15.00		61.6	
	16:38		8		14.5	5.88	15.25		62.0	
	16:40		10		15	5.89	15.51		62.4	
	16:45		15		16	5.82	15.90		62.6	
	16:50		20		17	5.85	16.31		62.9	
↓	16:55	↓	25		18	5.82	16.55	↓	62.9	

GROUND-WATER SAMPLING LOG

San Diego County (SA/M Guidelines)

WELL NO. MW01 LOCATION: 16 Brandywine PROJECT NO. _____
DATE: 2-27-96 TIME: 10:10 CLIMATIC CONDITIONS: cloudy - cool
TOTAL DEPTH: 69.20 STATIC WATER LEVEL: 47.82 LENGTH OF SATURATED ZONE: 21.38 LINEAR FT.

WELL PURGING

BOREHOLE VOLUME: CAPACITY OF CASING 0.16 (Gals./Linear Ft.)+VOLUME BETWEEN CASING AND HOLE 0.98 (Gals./Linear Ft.) = 1.14 GALS/LINEAR FT. VOLUME OF WATER TO BE EVACUATED ~~14.24.3754~~ GALS/LINEAR FT. X LENGTH OF SATURATED ZONE 21.38 LINEAR FT. X 1 (slow well) OR 1.5 (Fast well, stable parameters) OR 3 (Fast well, unstable parameters) = 36.6 GALS.
METHOD OF REMOVAL: Grundfoss PUMPING RATE: ~1 gpm ⇒ <0.5 gpm

25 gal to slow well

WELL PURGE DATA

DATE/TIME	GALLONS REMOVED	TEMP(°C)	pH	SP.COND.	TURBIDITY
1030	1	17.9	6.98	6000	gray, cloudy
1034	5	20.7	6.85	7500	"
1050	10	20.2	6.96	8000	gray, cloudy
1055	15	21.3	6.94	8500	gray, cloudy, clearing
1100	~~20~~ 18	21.9	6.89	8700	low, gray
1103	21	23.0	6.92	8800	low, gray brown
1110	2~~0~~3	23.5	6.96	8500	low clearing
1115	2~~5~~6	23.6	6.96	8300	low
1120					drawdown at ~28 gal.

drawdown at ~10 g

Conductivity meter probe appears to have a short

SAMPLE DATA

SAMPLE WITHDRAWAL METHOD: disposable bailer
COLOR brown - gray TEMP. 15.0
TURBIDITY mod. pH 7.21
SEDIMENT mod. SP.COND. 8000
OTHER:
LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8010/8020 w HCL, Metals & gen. minerals HNO3 unp & H_2SO_4
NUMBER AND TYPES OF SAMPLE CONTAINERS USED: 3x 40ml VOA, 3x1l poly, 1x 500 ml poly
SAMPLE IDENTIFICATION NUMBER(S) AND TIME: MW01-S01 at 1600
DECONTAMINATION PROCEDURES:

NOTES: the empty drum smelled bad. Used drum w/ drum liner smells like paint or solvents
SAMPLED BY: MP/JC
SAMPLES DELIVERED TO: _____ TRANSPORTER: _____
DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT) 2"-0.16 • 4"-0.65 • 6"-1.47 • 8"-2.61 • 10"-4.08 • 12"-5.87
VOLUME BETWEEN CASING AND HOLE (GALLONS/LINEAR FOOT) (ASSUMING 40% POROSITY)
2" CASING AND 6" HOLE =0.52 4" CASING AND 10" HOLE = 1.37
2" CASING 8" HOLE - 0.98 4" CASING AND 12" HOLE = 2.09

OGDEN

GROUND-WATER SAMPLING LOG

San Diego County (SA/M Guidelines)

WELL NO. MW-02 LOCATION: Brandywine PROJECT NO. _____
DATE: 2-27-96 TIME: 1145 CLIMATIC CONDITIONS: _____
TOTAL DEPTH: 50.05 STATIC WATER LEVEL: 40.86 LENGTH OF SATURATED ZONE: 9.19 LINEAR FT.

WELL PURGING

BOREHOLE VOLUME: CAPACITY OF CASING 0.16 (Gals./Linear Ft.)+VOLUME BETWEEN CASING AND HOLE 0.98 (Gals./Linear Ft.) = 1.14 GALS/LINEAR FT. VOLUME OF WATER TO BE EVACUATED: 1.14 GALS/LINEAR FT. X LENGTH OF SATURATED ZONE 9.19 LINEAR FT. X 1 (Slow well) OR 1.5 (Fast well, stable parameters) OR 3 (Fast well, unstable parameters) = 10.5 GALS. 15
METHOD OF REMOVAL: Grundfos PUMPING RATE: _____

WELL PURGE DATA

DATE/TIME	GALLONS REMOVED	TEMP(°C)	pH	SP.COND.	TURBIDITY
2-29-96 / 1158	1	25	7.09	3760	low-med.
	2	21.3	7.39	1350	low
1214	4	23.5	7.34	3050	
1215	6	23.8	7.29	3050	Clearing
1218	~8	22.3	7.20	3500	med-low
1220	9	21.4	7.18	3400	med-low
1222	10+	22.1	7.25	3300	low
1225	12	21.9	7.28	3100	clear
1228	15	22.1	7.29	3200	clear

SAMPLE DATA

SAMPLE WITHDRAWAL METHOD: Disposable bailer
COLOR brown TEMP. 19.7
TURBIDITY mod pH 7.37
SEDIMENT mod SP.COND. 3000
OTHER: _____

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: See MW-1

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: _____

SAMPLE IDENTIFICATION NUMBER(S) AND TIME: MW02 - S01 at 1615
DECONTAMINATION PROCEDURES: _____

NOTES: _____

SAMPLED BY: MP/JC
SAMPLES DELIVERED TO: _____ TRANSPORTER: _____
DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT) 2"-0.16 • 4"-0.65 • 6"-1.47 • 8"-2.61 • 10"-4.08 • 12"-5.87
VOLUME BETWEEN CASING AND HOLE (GALLONS/LINEAR FOOT) (ASSUMING 40% POROSITY)
2" CASING AND 6" HOLE =0.52 4" CASING AND 10" HOLE = 1.37
2" CASING 8" HOLE - 0.98 4" CASING AND 12" HOLE = 2.09

OGDEN

GROUND-WATER SAMPLING LOG

San Diego County (SA/M Guidelines)

WELL NO. MW-03 LOCATION: 11670 Brandywine Ave PROJECT NO. _____
DATE: 2-27-96 TIME: 1301 CLIMATIC CONDITIONS: cloudy, cool
TOTAL DEPTH: 64.82 STATIC WATER LEVEL: 51.85 LENGTH OF SATURATED ZONE: 12.97 LINEAR FT.

WELL PURGING

BOREHOLE VOLUME: CAPACITY OF CASING 0.16 (Gals./Linear Ft.)+VOLUME BETWEEN CASING AND HOLE 0.98 (Gals./Linear Ft.) = 1.14 GALS/LINEAR FT. VOLUME OF WATER TO BE EVACUATED: 1.14 GALS/LINEAR FT. X LENGTH OF SATURATED ZONE 12.97 LINEAR FT. X 1 (slow well) OR 1.5 (Fast well, stable parameters) OR 3 (Fast well, unstable parameters) = 14.7 GALS.
METHOD OF REMOVAL: Grundfos PUMPING RATE: _____

WELL PURGE DATA

DATE/TIME	GALLONS REMOVED	TEMP(°C)	pH	SP.COND.	TURBIDITY
2-27-96/1300	1	20.9	6.74	9000	high
1305	4	22.2	6.73	12,000	high - brown
1310	drawdown at 6 gal				
1328	7	23.4	6.74	12000	high
1331	9	22.1	6.70	12,000	high
drawdown at ~ 10.5 gal					high
1350	12.5	24.0	6.73	12500	high
1355	14	23.6	6.71	13,000	high
1358	15	22.9	6.77	12,000	med - high

SAMPLE DATA

SAMPLE WITHDRAWAL METHOD: disposable bailers
COLOR brown - green TEMP. 21.0
TURBIDITY high pH 6.92
SEDIMENT high SP.COND. 13,000
OTHER: _____

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: _____
See MW-1

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: _____

SAMPLE IDENTIFICATION NUMBER(S) AND TIME: MW03-01 at 1345
DECONTAMINATION PROCEDURES: _____

NOTES: _____

SAMPLED BY: MP / JC
SAMPLES DELIVERED TO: _____ TRANSPORTER: _____
DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT) 2"-0.16 • 4"-0.65 • 6"-1.47 • 8"-2.61 • 10"-4.08 • 12"-5.87
VOLUME BETWEEN CASING AND HOLE (GALLONS/LINEAR FOOT) (ASSUMING 40% POROSITY)
2" CASING AND 6" HOLE =0.52 4" CASING AND 10" HOLE = 1.37
2" CASING 8" HOLE - 0.98 4" CASING AND 12" HOLE = 2.09

OGDEN

GROUND-WATER SAMPLING LOG

San Diego County (SA/M Guidelines)

WELL NO. MW-04 LOCATION: Brandywine PROJECT NO. _____
DATE: 2-27-96 TIME: 1710 CLIMATIC CONDITIONS: breezy, cool, clear
TOTAL DEPTH: 85 STATIC WATER LEVEL: 74.94 LENGTH OF SATURATED ZONE: 10.06 LINEAR FT.

WELL PURGING

BOREHOLE VOLUME: CAPACITY OF CASING 0.16 (Gals./Linear Ft.)+VOLUME BETWEEN CASING AND HOLE 0.98 (Gals./Linear Ft.) = 1.14 GALS/LINEAR FT. VOLUME OF WATER TO BE EVACUATED: 1.14 GALS/LINEAR FT. X LENGTH OF SATURATED ZONE 10.06 LINEAR FT. 1 (slow well) OR 1.5 (Fast well, stable parameters) OR 3 (Fast well, unstable parameters) = 11.46 GALS.
METHOD OF REMOVAL: Grundfos PUMPING RATE: _____

WELL PURGE DATA

DATE/TIME	GALLONS REMOVED	TEMP(°C)	pH	SP.COND.	TURBIDITY
1715	2	21.2	6.88	8000	mod-high
1718	4	21.1	7.09	7500	mod-high
1721	6	22.2	7.1[illegible]	8000	clearing M-low
1724	9	22.0	7.09	8300	low
1726	12	22.5	7.07	8000	low - clear
1729	14	23.00	7.06	9000	low - clear
drawdown at 14					

SAMPLE DATA

SAMPLE WITHDRAWAL METHOD: desposable bailer
COLOR brown TEMP. 20.1
TURBIDITY high pH 7.18
SEDIMENT high SP.COND. _____
OTHER: _____

LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: 8010 / 8020, gen min & metals

NUMBER AND TYPES OF SAMPLE CONTAINERS USED: See MW-1

SAMPLE IDENTIFICATION NUMBER(S) AND TIME: MW04-S01 at 1930
DECONTAMINATION PROCEDURES: _____

NOTES: _____

SAMPLED BY: MP / JC
SAMPLES DELIVERED TO: _____ TRANSPORTER: _____
DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT) 2"-0.16 • 4"-0.65 • 6"-1.47 • 8"-2.61 • 10"-4.08 • 12"-5.87
VOLUME BETWEEN CASING AND HOLE (GALLONS/LINEAR FOOT) (ASSUMING 40% POROSITY)
2" CASING AND 6" HOLE =0.52 4" CASING AND 10" HOLE = 1.37
2" CASING 8" HOLE - 0.98 4" CASING AND 12" HOLE = 2.09

OGDEN

GROUND-WATER SAMPLING LOG

San Diego County (SA/M Guidelines)

WELL NO. mwq5 LOCATION: 1670 Brandywine PROJECT NO. _____
DATE: 2-27-96 TIME: 1515 CLIMATIC CONDITIONS: cool, cloudy
TOTAL DEPTH: 85 STATIC WATER LEVEL: 73.76 LENGTH OF SATURATED ZONE: 11.24 LINEAR FT.

WELL PURGING

BOREHOLE VOLUME: CAPACITY OF CASING 0.16 (Gals./Linear Ft.)+VOLUME BETWEEN CASING AND HOLE 0.98 (Gals./Linear Ft.) = 1.14 GALS/LINEAR FT. VOLUME OF WATER TO BE EVACUATED: 1.14 GALS/LINEAR FT. X LENGTH OF SATURATED ZONE 11.24 LINEAR FT. X 1 (slow well) OR 1.5 (Fast well, stable parameters) OR 3 (Fast well, unstable parameters) = 12.8 GALS.
METHOD OF REMOVAL: Grundfos PUMPING RATE: _____

WELL PURGE DATA

DATE/TIME	GALLONS REMOVED	TEMP(°C)	pH	SP.COND.	TURBIDITY
1521	2	21.8	6.72	8000	high
	drawdown at 3 gal				
1534	4	23.0	6.82	6000	high
	drawdown at ~4.5 gal				
1645	5	21.6	6.81	8000	high
1648	6 1/2	22.3	6.79	8000	mod. clearing
1650	9	22.3	6.77	8000	mod - low
1654	drawdown at ~11 gal				

SAMPLE DATA

SAMPLE WITHDRAWAL METHOD: disposable bailer
COLOR brown TEMP. 17.4
TURBIDITY high pH 6.94
SEDIMENT high SP.COND. —
OTHER: _____
LABORATORY ANALYSIS PARAMETERS AND PRESERVATIVES: See MW-1
NUMBER AND TYPES OF SAMPLE CONTAINERS USED: _____
SAMPLE IDENTIFICATION NUMBER(S) AND TIME: MW-04-S01 at 1900
DECONTAMINATION PROCEDURES: _____
NOTES: _____
SAMPLED BY: MP / JC
SAMPLES DELIVERED TO: _____ TRANSPORTER: _____
DATE: _____ TIME: _____

CAPACITY OF CASING (GALLONS/LINEAR FOOT) 2"-0.16 • 4"-0.65 • 6"-1.47 • 8"-2.61 • 10"-4.08 • 12"-5.87
VOLUME BETWEEN CASING AND HOLE (GALLONS/LINEAR FOOT) (ASSUMING 40% POROSITY)
2" CASING AND 6" HOLE =0.52 4" CASING AND 10" HOLE = 1.37
2" CASING 8" HOLE - 0.98 4" CASING AND 12" HOLE = 2.09

dry ~ 1/2 gal thick odor

APPENDIX B

ANALYTICAL LABORATORY REPORTS

C K Y incorporated
Analytical Laboratories

Date: 02-26-1996
CKY Batch No.: 96B085

Attn: Don Barrie

Ogden Environmental
5510 Morehouse Drive
San Diego, CA 92121

Subject: Laboratory Report
Project: Brandywine

Enclosed is the Laboratory report for samples received on 02/19/96. The samples were received in coolers with ice and intact; the chain-of-custody forms were properly filled out. The data reported include :

Sample ID	Control No.	Matrix	Analysis
BWBS01S01D10.0	B085-01	Soil	EPA 8010 EPA 8020 TOC
BWBS01S02D71	B085-02	Soil	EPA 8010 EPA 8020 TOC
BWBS02S01D11.0	B085-03	Soil	EPA 8010 EPA 8020 TOC
BWBS02S02D56.0	B085-04	Soil	EPA 8010 EPA 8020 TOC
BWBS03S01D10.5	B085-05	Soil	EPA 8010 EPA 8020 TOC
BWBS03S02D66.5	B085-06	Soil	EPA 8010 EPA 8020 TOC
BWBS03S03D75.5	B085-07	Soil	EPA 8010 EPA 8020 TOC

The results are summarized on the following pages.

Please feel free to call if you have any questions concerning these results.

Sincerely yours,

Kam Y. Pang, Ph.D.
Laboratory Director

P.S. - All analyses requested for the above referenced project have been completed. Therefore, unless instructed, the remaining portions of the samples will be disposed after fifteen (15) days from the date of this report.

630 Maple Ave., Torrance, Calif. 90503 • Telephone 310-618-8889 • Fax: 310-618-0818

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/17/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS01S01D10.0	DATE ANALYZED:	02/21/96
CONTROL NO.:	B085-01	MATRIX:	SOIL
% MOISTURE:	8.7	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	27.4
Chloromethane	ND	27.4
Vinyl Chloride	ND	27.4
Bromomethane	ND	27.4
Chloroethane	ND	27.4
Trichlorofluoromethane	ND	5.48
1,1-Dichloroethene	ND	5.48
Methylene Chloride	ND	27.4
cis-1,2-Dichloroethene	ND	5.48
trans-1,2-Dichloroethene	ND	5.48
1,1-Dichloroethane	ND	5.48
Chloroform	ND	5.48
1,1,1-Trichloroethane	ND	5.48
Carbon Tetrachloride	ND	5.48
1,2-Dichloroethane	ND	5.48
Trichloroethene	ND	5.48
1,2-Dichloropropane	ND	5.48
Dibromomethane	ND	5.48
Bromodichloromethane	ND	5.48
2-Chloroethyl vinylether	ND	5.48
trans-1,3-Dichloropropene	ND	5.48
cis-1,3-Dichloropropene	ND	5.48
1,1,2-Trichloroethane	ND	5.48
Tetrachloroethene	ND	5.48
1,3-Dichloropropane	ND	5.48
1,1,1,2-Tetrachloroethane	ND	5.48
Dibromochloromethane	ND	5.48
Ethylene Dibromide	ND	5.48
Chlorobenzene	ND	5.48
Bromoform	ND	5.48
1,1,2,2-Tetrachloroethane	ND	5.48
Chlorotoluene	ND	5.48
1,3-Dichlorobenzene	ND	5.48
1,4-Dichlorobenzene	ND	5.48
1,2-Dichlorobenzene	ND	5.48
Benzylchloride	ND	5.48

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	84	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/17/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS01S02D71	DATE ANALYZED:	02/20/96
CONTROL NO.:	B085-02	MATRIX:	SOIL
% MOISTURE:	24.3	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	33
Chloromethane	ND	33
Vinyl Chloride	ND	33
Bromomethane	ND	33
Chloroethane	ND	33
Trichlorofluoromethane	ND	6.61
1,1-Dichloroethene	ND	6.61
Methylene Chloride	ND	33
cis-1,2-Dichloroethene	ND	6.61
trans-1,2-Dichloroethene	ND	6.61
1,1-Dichloroethane	ND	6.61
Chloroform	ND	6.61
1,1,1-Trichloroethane	ND	6.61
Carbon Tetrachloride	ND	6.61
1,2-Dichloroethane	ND	6.61
Trichloroethene	ND	6.61
1,2-Dichloropropane	ND	6.61
Dibromomethane	ND	6.61
Bromodichloromethane	ND	6.61
2-Chloroethyl vinylether	ND	6.61
trans-1,3-Dichloropropene	ND	6.61
cis-1,3-Dichloropropene	ND	6.61
1,1,2-Trichloroethane	ND	6.61
Tetrachloroethene	ND	6.61
1,3-Dichloropropane	ND	6.61
1,1,1,2-Tetrachloroethane	ND	6.61
Dibromochloromethane	ND	6.61
Ethylene Dibromide	ND	6.61
Chlorobenzene	ND	6.61
Bromoform	ND	6.61
1,1,2,2-Tetrachloroethane	ND	6.61
Chlorotoluene	ND	6.61
1,3-Dichlorobenzene	ND	6.61
1,4-Dichlorobenzene	ND	6.61
1,2-Dichlorobenzene	ND	6.61
Benzylchloride	ND	6.61

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	68	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/17/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS02S01D11.0	DATE ANALYZED:	02/20/96
CONTROL NO.:	B085-03	MATRIX:	SOIL
% MOISTURE:	14.0	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	29.1
Chloromethane	ND	29.1
Vinyl Chloride	ND	29.1
Bromomethane	ND	29.1
Chloroethane	ND	29.1
Trichlorofluoromethane	ND	5.81
1,1-Dichloroethene	ND	5.81
Methylene Chloride	ND	29.1
cis-1,2-Dichloroethene	ND	5.81
trans-1,2-Dichloroethene	ND	5.81
1,1-Dichloroethane	ND	5.81
Chloroform	ND	5.81
1,1,1-Trichloroethane	ND	5.81
Carbon Tetrachloride	ND	5.81
1,2-Dichloroethane	ND	5.81
Trichloroethene	ND	5.81
1,2-Dichloropropane	ND	5.81
Dibromomethane	ND	5.81
Bromodichloromethane	ND	5.81
2-Chloroethyl vinylether	ND	5.81
trans-1,3-Dichloropropene	ND	5.81
cis-1,3-Dichloropropene	ND	5.81
1,1,2-Trichloroethane	ND	5.81
Tetrachloroethene	ND	5.81
1,3-Dichloropropane	ND	5.81
1,1,1,2-Tetrachloroethane	ND	5.81
Dibromochloromethane	ND	5.81
Ethylene Dibromide	ND	5.81
Chlorobenzene	ND	5.81
Bromoform	ND	5.81
1,1,2,2-Tetrachloroethane	ND	5.81
Chlorotoluene	ND	5.81
1,3-Dichlorobenzene	ND	5.81
1,4-Dichlorobenzene	ND	5.81
1,2-Dichlorobenzene	ND	5.81
Benzylchloride	ND	5.81

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	82	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/17/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS02S02D56.0	DATE ANALYZED:	02/20/96
CONTROL NO.:	B085-04	MATRIX:	SOIL
% MOISTURE:	24.1	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	32.9
Chloromethane	ND	32.9
Vinyl Chloride	ND	32.9
Bromomethane	ND	32.9
Chloroethane	ND	32.9
Trichlorofluoromethane	ND	6.59
1,1-Dichloroethene	ND	6.59
Methylene Chloride	ND	32.9
cis-1,2-Dichloroethene	ND	6.59
trans-1,2-Dichloroethene	ND	6.59
1,1-Dichloroethane	ND	6.59
Chloroform	ND	6.59
1,1,1-Trichloroethane	ND	6.59
Carbon Tetrachloride	ND	6.59
1,2-Dichloroethane	ND	6.59
Trichloroethene	ND	6.59
1,2-Dichloropropane	ND	6.59
Dibromomethane	ND	6.59
Bromodichloromethane	ND	6.59
2-Chloroethyl vinylether	ND	6.59
trans-1,3-Dichloropropene	ND	6.59
cis-1,3-Dichloropropene	ND	6.59
1,1,2-Trichloroethane	ND	6.59
Tetrachloroethene	ND	6.59
1,3-Dichloropropane	ND	6.59
1,1,1,2-Tetrachloroethane	ND	6.59
Dibromochloromethane	ND	6.59
Ethylene Dibromide	ND	6.59
Chlorobenzene	ND	6.59
Bromoform	ND	6.59
1,1,2,2-Tetrachloroethane	ND	6.59
Chlorotoluene	ND	6.59
1,3-Dichlorobenzene	ND	6.59
1,4-Dichlorobenzene	ND	6.59
1,2-Dichlorobenzene	ND	6.59
Benzylchloride	ND	6.59

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	86	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/18/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS03S01D10.5	DATE ANALYZED:	02/20/96
CONTROL NO.:	B085-05	MATRIX:	SOIL
% MOISTURE:	11.9	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	28.4
Chloromethane	ND	28.4
Vinyl Chloride	ND	28.4
Bromomethane	ND	28.4
Chloroethane	ND	28.4
Trichlorofluoromethane	ND	5.68
1,1-Dichloroethene	ND	5.68
Methylene Chloride	ND	28.4
cis-1,2-Dichloroethene	ND	5.68
trans-1,2-Dichloroethene	ND	5.68
1,1-Dichloroethane	ND	5.68
Chloroform	ND	5.68
1,1,1-Trichloroethane	ND	5.68
Carbon Tetrachloride	ND	5.68
1,2-Dichloroethane	ND	5.68
Trichloroethene	ND	5.68
1,2-Dichloropropane	ND	5.68
Dibromomethane	ND	5.68
Bromodichloromethane	ND	5.68
2-Chloroethyl vinylether	ND	5.68
trans-1,3-Dichloropropene	ND	5.68
cis-1,3-Dichloropropene	ND	5.68
1,1,2-Trichloroethane	ND	5.68
Tetrachloroethene	ND	5.68
1,3-Dichloropropane	ND	5.68
1,1,1,2-Tetrachloroethane	ND	5.68
Dibromochloromethane	ND	5.68
Ethylene Dibromide	ND	5.68
Chlorobenzene	ND	5.68
Bromoform	ND	5.68
1,1,2,2-Tetrachloroethane	ND	5.68
Chlorotoluene	ND	5.68
1,3-Dichlorobenzene	ND	5.68
1,4-Dichlorobenzene	ND	5.68
1,2-Dichlorobenzene	ND	5.68
Benzylchloride	ND	5.68

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	85	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/18/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS03S02D66.5	DATE ANALYZED:	02/20/96
CONTROL NO.:	B085-06	MATRIX:	SOIL
% MOISTURE:	22.7	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	32.3
Chloromethane	ND	32.3
Vinyl Chloride	ND	32.3
Bromomethane	ND	32.3
Chloroethane	ND	32.3
Trichlorofluoromethane	ND	6.47
1,1-Dichloroethene	ND	6.47
Methylene Chloride	ND	32.3
cis-1,2-Dichloroethene	ND	6.47
trans-1,2-Dichloroethene	ND	6.47
1,1-Dichloroethane	ND	6.47
Chloroform	ND	6.47
1,1,1-Trichloroethane	ND	6.47
Carbon Tetrachloride	ND	6.47
1,2-Dichloroethane	ND	6.47
Trichloroethene	77	6.47
1,2-Dichloropropane	ND	6.47
Dibromomethane	ND	6.47
Bromodichloromethane	ND	6.47
2-Chloroethyl vinylether	ND	6.47
trans-1,3-Dichloropropene	ND	6.47
cis-1,3-Dichloropropene	ND	6.47
1,1,2-Trichloroethane	12	6.47
Tetrachloroethene	ND	6.47
1,3-Dichloropropane	ND	6.47
1,1,1,2-Tetrachloroethane	ND	6.47
Dibromochloromethane	ND	6.47
Ethylene Dibromide	ND	6.47
Chlorobenzene	ND	6.47
Bromoform	ND	6.47
1,1,2,2-Tetrachloroethane	ND	6.47
Chlorotoluene	ND	6.47
1,3-Dichlorobenzene	ND	6.47
1,4-Dichlorobenzene	ND	6.47
1,2-Dichlorobenzene	ND	6.47
Benzylchloride	ND	6.47

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	84	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/18/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS03S03D75.5	DATE ANALYZED:	02/20/96
CONTROL NO.:	B085-07	MATRIX:	SOIL
% MOISTURE:	19.7	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	31.1
Chloromethane	ND	31.1
Vinyl Chloride	ND	31.1
Bromomethane	ND	31.1
Chloroethane	ND	31.1
Trichlorofluoromethane	ND	6.23
1,1-Dichloroethene	ND	6.23
Methylene Chloride	ND	31.1
cis-1,2-Dichloroethene	ND	6.23
trans-1,2-Dichloroethene	ND	6.23
1,1-Dichloroethane	ND	6.23
Chloroform	ND	6.23
1,1,1-Trichloroethane	ND	6.23
Carbon Tetrachloride	ND	6.23
1,2-Dichloroethane	ND	6.23
Trichloroethene	6.3	6.23
1,2-Dichloropropane	ND	6.23
Dibromomethane	ND	6.23
Bromodichloromethane	ND	6.23
2-Chloroethyl vinylether	ND	6.23
trans-1,3-Dichloropropene	ND	6.23
cis-1,3-Dichloropropene	ND	6.23
1,1,2-Trichloroethane	ND	6.23
Tetrachloroethene	ND	6.23
1,3-Dichloropropane	ND	6.23
1,1,1,2-Tetrachloroethane	ND	6.23
Dibromochloromethane	ND	6.23
Ethylene Dibromide	ND	6.23
Chlorobenzene	ND	6.23
Bromoform	ND	6.23
1,1,2,2-Tetrachloroethane	ND	6.23
Chlorotoluene	ND	6.23
1,3-Dichlorobenzene	ND	6.23
1,4-Dichlorobenzene	ND	6.23
1,2-Dichlorobenzene	ND	6.23
Benzylchloride	ND	6.23

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	88	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	NA
PROJECT:	Brandywine	DATE RECEIVED:	NA
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	MBLK1S	DATE ANALYZED:	02/19/96
CONTROL NO.:	VAL617B	MATRIX:	SOIL
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	25
Chloromethane	ND	25
Vinyl Chloride	ND	25
Bromomethane	ND	25
Chloroethane	ND	25
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
Methylene Chloride	ND	25
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
2-Chloroethyl vinylether	ND	5
trans-1,3-Dichloropropene	ND	5
cis-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Dibromochloromethane	ND	5
Ethylene Dibromide	ND	5
Chlorobenzene	ND	5
Bromoform	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Chlorotoluene	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
Benzylchloride	ND	5

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	119	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	NA
PROJECT:	Brandywine	DATE RECEIVED:	NA
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	MBLK2S	DATE ANALYZED:	02/21/96
CONTROL NO.:	VAL617B3	MATRIX:	SOIL
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	25
Chloromethane	ND	25
Vinyl Chloride	ND	25
Bromomethane	ND	25
Chloroethane	ND	25
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
Methylene Chloride	ND	25
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
2-Chloroethyl vinylether	ND	5
trans-1,3-Dichloropropene	ND	5
cis-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Dibromochloromethane	ND	5
Ethylene Dibromide	ND	5
Chlorobenzene	ND	5
Bromoform	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Chlorotoluene	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
Benzylchloride	ND	5

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	94	60-140

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
MS/MSD ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 8010
MATRIX: SOIL
MOISTURE: 24.3

BATCH NO.: 96B085
AMPLE ID: BWBS01S02D71
ONTROL NO.: B085-02

DATE RECEIVED: 02/19/96
DATE EXTRACTED: NA
DATE ANALYZED: 02/21/96

ACCESSION: 96B085

ARAMETER	SMPL RSLT (ug/kg)	SPIKE AMT (ug/kg)	MS RSLT (ug/kg)	MS % REC	SPIKE AMT (ug/kg)	MSD RSLT (ug/kg)	MSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
1,1-Dichloroethene	ND	330.00	298.00	90	330.00	278.00	84	7	60-140	40
richloroethene	ND	330.00	277.00	84	330.00	274.00	83	1	60-140	40
hlorobenzene	ND	330.00	246.00	75	330.00	236.00	71	4	60-140	40

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	MS RSLT (ug/kg)	MS % REC	SPIKE AMT (ug/kg)	MSD RSLT (ug/kg)	MSD % REC	QC LIMIT %
romofluorobenzene	330.00	336.00	102	330.00	217.00	66	60-140

CKY QUALITY CONTROL DATA
LCS/LCD ANALYSIS

IENT: Ogden Environmental
OJECT: Brandywine
METHOD: EPA 8010
MATRIX: SOIL
MOISTURE: NA

BATCH NO.: 96B085
AMPLE ID: LCS1S/LCS1SD
ONTROL NO.: VAL617L/C

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 02/19/96

ACCESSION: 96B085

ARAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
1,1-Dichloroethene	ND	100.00	111.00	111	100.00	109.00	109	2	70-125	40
ichloroethene	ND	100.00	113.00	113	100.00	112.00	112	1	70-125	40
lorobenzene	ND	100.00	111.00	111	100.00	114.00	114	3	70-125	40

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	QC LIMIT %
omofluorobenzene	250.00	229.00	91	250.00	238.00	95	60-140

CKY QUALITY CONTROL DATA
LCS/LCD ANALYSIS

IENT: Ogden Environmental
OJECT: Brandywine
METHOD: EPA 8010
MATRIX: SOIL
MOISTURE: NA

BATCH NO.: 96B085
AMPLE ID: LCS2S/LCS2SD
NTROL NO.: VAL617L2/C2

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 02/21/96

ACCESSION: 96B085

RAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
1,1-Dichloroethene	ND	100.00	113.50	114	100.00	91.50	92	21	70-125	40
ichloroethene	ND	100.00	104.00	104	100.00	97.50	98	6	70-125	40
lorobenzene	ND	100.00	101.00	101	100.00	94.00	94	7	70-125	40

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	QC LIMIT %
omofluorobenzene	250.00	209.00	84	250.00	172.00	69	60-140

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/17/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS01S01D10.0	DATE ANALYZED:	02/21/96
CONTROL NO.:	B085-01	MATRIX:	SOIL
% MOISTURE:	8.7	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	5.48
Toluene	ND	5.48
Ethylbenzene	ND	5.48
Total Xylenes	ND	16.4

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	65	60-140

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/17/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS01S02D71	DATE ANALYZED:	02/20/96
CONTROL NO.:	B085-02	MATRIX:	SOIL
% MOISTURE:	24.3	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	6.61
Toluene	ND	6.61
Ethylbenzene	ND	6.61
Total Xylenes	ND	19.8

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	45+	60-140

MDL: Method Detection Limit
+ : Out of QC limits, sample was reanalyzed on 02/22/96.

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/17/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS01S02D71	DATE ANALYZED:	02/22/96
CONTROL NO.:	B085-02R	MATRIX:	SOIL
% MOISTURE:	24.3	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	6.61
Toluene	ND	6.61
Ethylbenzene	ND	6.61
Total Xylenes	ND	19.8

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	43+	60-140

MDL: Method Detection Limit
+ : Out of QC limits on reanalysis run

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/17/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS02S01D11.0	DATE ANALYZED:	02/20/96
CONTROL NO.:	B085-03	MATRIX:	SOIL
% MOISTURE:	14.0	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	5.81
Toluene	ND	5.81
Ethylbenzene	ND	5.81
Total Xylenes	ND	17.4

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	65	60-140

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/17/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS02S02D56.0	DATE ANALYZED:	02/20/96
CONTROL NO.:	B085-04	MATRIX:	SOIL
% MOISTURE:	24.1	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	6.59
Toluene	ND	6.59
Ethylbenzene	ND	6.59
Total Xylenes	ND	19.8

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	66	60-140

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/18/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS03S01D10.5	DATE ANALYZED:	02/20/96
CONTROL NO.:	B085-05	MATRIX:	SOIL
% MOISTURE:	11.9	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	5.68
Toluene	ND	5.68
Ethylbenzene	ND	5.68
Total Xylenes	ND	17

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	65	60-140

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/18/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS03S02D66.5	DATE ANALYZED:	02/20/96
CONTROL NO.:	B085-06	MATRIX:	SOIL
% MOISTURE:	22.7	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	6.47
Toluene	ND	6.47
Ethylbenzene	ND	6.47
Total Xylenes	ND	19.4

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	52+	60-140

MDL: Method Detection Limit
+ : Out of QC limits, sample was reanalyzed on 02/22/96.

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/18/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS03S02D66.5	DATE ANALYZED:	02/22/96
CONTROL NO.:	B085-06R	MATRIX:	SOIL
% MOISTURE:	22.7	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	6.47
Toluene	ND	6.47
Ethylbenzene	ND	6.47
Total Xylenes	ND	19.4

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	45+	60-140

MDL: Method Detection Limit
+ : Out of QC limits on reanalysis run

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/18/96
PROJECT:	Brandywine	DATE RECEIVED:	02/19/96
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	BWBS03S03D75.5	DATE ANALYZED:	02/20/96
CONTROL NO.:	B085-07	MATRIX:	SOIL
% MOISTURE:	19.7	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	6.23
Toluene	ND	6.23
Ethylbenzene	ND	6.23
Total Xylenes	ND	18.7

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	67	60-140

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	NA
PROJECT:	Brandywine	DATE RECEIVED:	NA
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	MBLK1S	DATE ANALYZED:	02/19/96
CONTROL NO.:	VAL617B	MATRIX:	SOIL
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	5
Toluene	ND	5
Ethylbenzene	ND	5
Total Xylenes	ND	15

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	77	60-140

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	NA
PROJECT:	Brandywine	DATE RECEIVED:	NA
BATCH NO.:	96B085	DATE EXTRACTED:	NA
SAMPLE ID:	MBLK2S	DATE ANALYZED:	02/21/96
CONTROL NO.:	VAL617B3	MATRIX:	SOIL
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	5
Toluene	ND	5
Ethylbenzene	ND	5
Total Xylenes	ND	15

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	65	60-140

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
MS/MSD ANALYSIS

IENT: Ogden Environmental
OJECT: Brandywine
METHOD: EPA 8020
MATRIX: SOIL
MOISTURE: 24.3

BATCH NO.: 96B085
AMPLE ID: BWBS01S02D71
NTROL NO.: B085-02

DATE RECEIVED: 02/19/96
DATE EXTRACTED: NA
DATE ANALYZED: 02/21/96

ACCESSION: 96B085

ARAMETER	SMPL RSLT (ug/kg)	SPIKE AMT (ug/kg)	MS RSLT (ug/kg)	MS % REC	SPIKE AMT (ug/kg)	MSD RSLT (ug/kg)	MSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
Benzene	ND	330.00	240.00	73	330.00	238.00	72	1	60-140	40
luene	ND	330.00	221.00	67	330.00	221.00	67	0	60-140	40
hylbenzene	ND	330.00	223.00	68	330.00	221.00	67	1	60-140	40
tal Xylenes	ND	991.00	614.00	62	991.00	620.00	63	1	60-140	40

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	MS RSLT (ug/kg)	MS % REC	SPIKE AMT (ug/kg)	MSD RSLT (ug/kg)	MSD % REC	QC LIMIT %
omofluorobenzene	330.00	221.00	67	330.00	217.00	66	60-140

CKY QUALITY CONTROL DATA
LCS/LCD ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 8020
MATRIX: SOIL
MOISTURE: NA

BATCH NO.: 96B085
AMPLE ID: LCS1S/LCS1SD
ONTROL NO.: VAL617L/C

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 02/19/96

ACCESSION: 96B085

ARAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
Benzene	ND	100.00	85.00	85	100.00	86.00	86	1	70-125	40
oluene	ND	100.00	87.00	87	100.00	88.00	88	1	70-125	40
thylbenzene	ND	100.00	97.00	97	100.00	98.00	98	1	70-125	40
otal Xylenes	ND	300.00	233.00	78	300.00	237.00	79	1	70-125	40

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	QC LIMIT %
romofluorobenzene	250.00	244.00	98	250.00	255.00	102	60-140

CKY QUALITY CONTROL DATA
LCS/LCD ANALYSIS

IENT: Ogden Environmental
OJECT: Brandywine
METHOD: EPA 8020
MATRIX: SOIL
MOISTURE: NA

BATCH NO.: 96B085
AMPLE ID: LCS2S/LCS2SD
ONTROL NO.: VAL617L2/C2

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 02/21/96

ACCESSION: 96B085

ARAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
Benzene	ND	100.00	84.00	84	100.00	80.00	80	5	70-125	40
oluene	ND	100.00	84.50	84	100.00	78.00	78	8	70-125	40
thylbenzene	ND	100.00	93.00	93	100.00	85.00	85	9	70-125	40
otal Xylenes	ND	300.00	223.00	74	300.00	216.00	72	3	70-125	40

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	QC LIMIT %
romofluorobenzene	250.00	227.00	91	250.00	186.00	74	60-140

STERLING

Analytical Laboratory

CKY Inc. Analytical Laboratories
630 Maple Avenue
Torrance, CA 90503

Attn: Cecilia Chavez

February 26, 1996

Job No.: 0691081.00
Project No.: 95B085
Project Name: Ogden
Folder No.: 4307

LABORATORY REPORT

Samples: Seven (7) soil samples from 95B085-Odgen, collected on 02/17/96 and 02/18/96 and received on 02/20/96.

Sample ID	TOC (Walkley Black) %
96B085-01	0.201
96B085-02	0.354
96B085-03	0.078
96B085-04	0.059
96B085-05	0.171
96B085-06	0.038
96B085-07	0.032
Reporting Limit	0.010
Date Analyzed	02/23/96

Reviewed by | **Approved by**

C4307.rep

2860 Walnut Avenue
Long Beach, CA 90806-1834

(800) 366-9324 • (310) 595-9324
(310) 595-6709 FAX

STERLING
Analytical Laboratory

Quality Assurance Addendum Report

LAB ID	SYMBOL	TEST	UNITS	QA/QC Results Sample	Dup.	RPD(%)
4307-7	---	TOC	%	0.032	0.027	17

Notes:

Note that Matrix Spikes are not project specific. Therefore, spike information shown on this report may not be from the same project; however, they were analyzed in the same analytical batch.

Definitions:

Spike: A sample from the analytical batch which has been spiked with the parameter(s) of interest at a known concentration and taken through the same preparation and analysis as the samples.

Spike Duplicate: A duplicate of the spiked sample, taken from a separate aliquot of the sample.

RPD: Relative Percent Difference between a Spike and a Spike Duplicate (or a sample and sample duplicate).
RPD = [(Spike-Spk. Dup.)/Mean] * 100

Where the mean is the average spike recovery of the matrix spike and the matrix spike duplicate.

Mean: The average sample results, from both samples and sample duplicates.

Control limits are calculated by Sterling Analytical Laboratory for internal use from existing spike data. Control limits are found by calculating three standard deviations above and below the mean of the population.

C4307.qa

4307

CHAIN OF CUSTODY RECORD
REQUEST FOR ANALYSIS

DATE: 2-19-96
PAGE 1 OF 1

C K Y incorporated
Analytical Laboratories
630 Maple Ave.
Torrance, Calif. 90503
Tel: 310-618-8889
Fax: 310-618-0818

CLIENT NAME: CKY INC
ADDRESS: 630 MAPLE AVE
TORRANCE CA. 90503
PHONE NO. 310-618-8889 FAX NO. 310-618-0818
PROJECT NAME: 95B085 / OGDEN.
SEND REPORT TO: CECILIA CHAVEZ.

SAMPLER NAME/SIGNATURE

TURN AROUND TIME
NORMAL ☒
RUSH ☐

ANALYSES REQUIRED

	SAMPLE NUMBER	SAMPLING DATE/TIME		PRESER-VATIVE	CONTAINER SIZE/TYPE	SAMPLE DESCRIPTION WATER	SOIL	OTHER	418.1	M8015	8010/601	8020/602	8080/608	8240/624	8270/625	CAM Metals	TOC
4307-1	96B085-01	2/17/96	8:30	ICE	4 OZ JAR		X										X
-2	-02	↓	1035	↓	↓		↓										↓
-3	-03	↓	1305	↓	↓		↓										↓
-4	-04	↓	1410	↓	↓		↓										↓
-5	-05	2/18/96	1230	↓	↓		↓										↓
-6	-06	↓	1351	↓	↓		↓										↓
-7	-07	↓	1427	↓	↓		↓										↓

COMMENTS:

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:
[signature]	2/20/96	Hoa Nguyen	2-20-96				
Company: CKY	Time: 2:00 PM	Company: STERLING LAB	Time: 2:00 PM	Company:	Time:	Company:	Time:

Storage/Disposal of Samples: Sample will be stored at CKY for 30 days at no charge and at $10/sample/month thereafter. Disposal of sample by the Laboratory will be charged at $10/sample.

96B085 L5

CHAIN OF CUSTODY RECORD
REQUEST FOR ANALYSIS

DATE: 2/18/96
PAGE 1 OF 1

CKY incorporated
Analytical Laboratories
630 Maple Ave.
Torrance, Calif. 90503
Tel: 310-618-8889
Fax: 310-618-0818

CLIENT NAME: DON BARRIE C/O OGDEN
ADDRESS: 5510 MOREHOUSE DR.
SAN DIEGO, CA 92121
PHONE NO. 619/458-9044 FAX NO. 619/458-0943
PROJECT NAME: BRANDYWINE
SEND REPORT TO: DON BARRIE

SAMPLER NAME/SIGNATURE: DON BARRIE / [signature]

TURN AROUND TIME: NORMAL ☑ RUSH ☐

ANALYSES REQUIRED

	SAMPLE NUMBER	SAMPLING DATE/TIME	PRESERVATIVE	CONTAINER SIZE/TYPE	SAMPLE DESCRIPTION WATER	SOIL	OTHER	418.1	M8015	8010/601	8020/602	8080/608	8240/624	8270/625	CAM Metals	8021	TOC (90-B.2 ASA)
1	BWBS01S01D10.0	2/17@0830				X										X	X
2	BWBS01S02D71	2/17@1035				X										X	X
3	BWBS02S01D11.0	2/17@1305				X										X	X
4	BWBS02S02D66.0	2/17@1410				X										X	X
5	BWBS03S01D10.5	2/18@1230				X										X	X
6	BWBS03S02D66.5	2/18@1351				X										X	X
7	BWBS03S03D75.5	2/18@1427				X										X	X

COMMENTS: T=2°C

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:
[signature]	2/18/96	[signature]	2/19/96	[signature]	2-19-96	[signature]	2-19-96
Company: OGDEN	Time: 2p:3p	Company: [illegible]	Time: 8a	Company: [illegible]	Time: 1135	Company: CKY	Time: 1135

Storage/Disposal of Samples: Sample will be stored at CKY for 30 days at no charge and at $10/sample/month thereafter. Disposal of sample by the Laboratory will be charged at $10/sample.

SAMPLE RECEIPT FORM

CONTROL NO.	96BO85
CLIENT	ODGEN
PROJECT	BRANDYWINE

DATE	02-19-96
TIME	11:35 AM
RECIPIENT	C. TIANGCO

SAMPLE TRANSPORTATION TO CKY LABORATORY:	BY	ON(DATE)	AT(TIME)	FROM(SITE/CO.)	COMMENTS
PICKED-UP BY CKY COURIER					
DELIVERED BY CLIENT ✓					
SHIPPED/AIRBILL NO	AM-PM DELIVERY #402804 SEE THE RECEIPT				

SAMPLE BATCH PACKAGING/SEALING UPON RECEIPT:	NO CONTAINER	✓ INTACT	DAMAGED	NOT SEALED	✓ SEALED

CONTAINER:	INSIDE TEMPERATURE:		2° C	CUSTODY SEAL /OTHER SEAL		LOCATION	NUMBER
✓ COOLER	PACKAGING	TYPE	SUFFICIENCY	✓ INTACT	DAMAGED	FRONT CLOSURE	1
BOX	INSULATION:		OK	NAME:	SEE OK		
OTHER:	ICE/COOLANT:	BLUE		DATE:			
	PACKING MATERIAL:	NONE		TIME:			

SAMPLE DOCUMENTATION/CHAIN-OF-CUSTODY(COC)	NONE	✓ HANDCARRIED	ENCLOSED	FAXED	SEALED

SAMPLE LOG-IN:	CRITERIA	COMMENTS	DISCREPANCY
SAMPLE CUSTODY SEAL	EVERY SAMPLE	NONE	
CONTAINER TYPE/MATERIAL	APPROPRIATE	OK	
SAMPLE AMOUNT	ENOUGH		
SAMPLE PRESERVATION/HOLDING TIME	SUFFICIENT		
HEADSPACE/BUBBLES	ZERO/NONE		
SAMPLE LABEL INFORMATION	SUFFICIENT	SEE BELOW	
CHAIN-OF-CUSTODY INFORMATION	SUFFICIENT		

SAMPLE INFO.:	SAMPLE ID	DATE	TIME	SIGNATURE	ANALYSES	PRESERVATIVE	CONTAINER
INDIVIDUAL SAMPLE CONTAINER:		✓ NONE	PLASTIC BAG	CAN	OTHER(SPECIFY):		SEALED

SAMPLE NUMBER	CLIENT ID	DISCREPANCY	ACTION
All		SAMPLE LABELS NOT GOOD & WET - WIPES OUT EASILY	will inform client.
+1	~~BWBS01~~ 9		
-1	BWBS01SO1D10D	NOT REC'D BUT REC'D SAMPLE W/DD ASSBS01SO1 D10.0	Plse. add BW

CLIENT SERVICES COPY RECEIVED BY	Anita 2/19	DATE		TIME	

CKY INC., ANALYTICAL LABORATORIES, 630 Maple Ave., Torrance, Calif. 90503 Tel. (310) 618-8889 Fax: (310) 618-0818

C K Y incorporated
Analytical Laboratories

Date: 02-22-1996
CKY Batch No.: 96B042

Attn: Don Barrie

Ogden Environmental
5510 Morehouse Drive
San Diego, CA 92121

Subject: Laboratory Report
Project: Chula Vista

Enclosed is the Laboratory report for samples received on 02/12/96. The samples were received in coolers with ice and intact; the chain-of-custody forms were properly filled out. The data reported include :

Sample ID	Control No.	Matrix	Analysis
BWB505S01D10.0	B042-01	Soil	EPA 8010 EPA 8020 TOC
BWB505S04D85.5	B042-02	Soil	EPA 8010 EPA 8020 TOC
BWB505S05D91	B042-03	Soil	EPA 8010 EPA 8020 TOC
BWB504S01D26.5	B042-04	Soil	EPA 8010 EPA 8020 TOC
BWB504S02D76.5	B042-05	Soil	EPA 8010 EPA 8020 TOC
BWB504S03D86.0	B042-06	Soil	EPA 8010 EPA 8020 TOC

The results are summarized on the following pages.

Please feel free to call if you have any questions concerning these results.

Sincerely yours,

Kam Pang

Kam Y. Pang, Ph.D.
Laboratory Director

P.S. - All analyses requested for the above referenced project have been completed. Therefore, unless instructed, the remaining portions of the samples will be disposed after fifteen (15) days from the date of this report.

630 Maple Ave., Torrance, Calif. 90503 • Telephone 310-618-8889 • Fax: 310-618-0818

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/10/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB505S01D10.0	DATE ANALYZED:	02/12/96
CONTROL NO.:	B042-01	MATRIX:	SOIL
% MOISTURE:	8.9	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	27.4
Chloromethane	ND	27.4
Vinyl Chloride	ND	27.4
Bromomethane	ND	27.4
Chloroethane	ND	27.4
Trichlorofluoromethane	ND	5.49
1,1-Dichloroethene	ND	5.49
Methylene Chloride	ND	27.4
cis-1,2-Dichloroethene	ND	5.49
trans-1,2-Dichloroethene	ND	5.49
1,1-Dichloroethane	ND	5.49
Chloroform	ND	5.49
1,1,1-Trichloroethane	ND	5.49
Carbon Tetrachloride	ND	5.49
1,2-Dichloroethane	ND	5.49
Trichloroethene	ND	5.49
1,2-Dichloropropane	ND	5.49
Dibromomethane	ND	5.49
Bromodichloromethane	ND	5.49
2-Chloroethyl vinylether	ND	5.49
trans-1,3-Dichloropropene	ND	5.49
cis-1,3-Dichloropropene	ND	5.49
1,1,2-Trichloroethane	ND	5.49
Tetrachloroethene	ND	5.49
1,3-Dichloropropane	ND	5.49
1,1,1,2-Tetrachloroethane	ND	5.49
Dibromochloromethane	ND	5.49
Ethylene Dibromide	ND	5.49
Chlorobenzene	ND	5.49
Bromoform	ND	5.49
1,1,2,2-Tetrachloroethane	ND	5.49
Chlorotoluene	ND	5.49
1,3-Dichlorobenzene	ND	5.49
1,4-Dichlorobenzene	ND	5.49
1,2-Dichlorobenzene	ND	5.49
Benzylchloride	ND	5.49

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	108	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/10/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB505S04D85.5	DATE ANALYZED:	02/12/96
CONTROL NO.:	B042-02	MATRIX:	SOIL
% MOISTURE:	23.1	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	32.5
Chloromethane	ND	32.5
Vinyl Chloride	ND	32.5
Bromomethane	ND	32.5
Chloroethane	ND	32.5
Trichlorofluoromethane	ND	6.5
1,1-Dichloroethene	ND	6.5
Methylene Chloride	ND	32.5
cis-1,2-Dichloroethene	ND	6.5
trans-1,2-Dichloroethene	ND	6.5
1,1-Dichloroethane	ND	6.5
Chloroform	ND	6.5
1,1,1-Trichloroethane	ND	6.5
Carbon Tetrachloride	ND	6.5
1,2-Dichloroethane	ND	6.5
Trichloroethene	ND	6.5
1,2-Dichloropropane	ND	6.5
Dibromomethane	ND	6.5
Bromodichloromethane	ND	6.5
2-Chloroethyl vinylether	ND	6.5
trans-1,3-Dichloropropene	ND	6.5
cis-1,3-Dichloropropene	ND	6.5
1,1,2-Trichloroethane	ND	6.5
Tetrachloroethene	ND	6.5
1,3-Dichloropropane	ND	6.5
1,1,1,2-Tetrachloroethane	ND	6.5
Dibromochloromethane	ND	6.5
Ethylene Dibromide	ND	6.5
Chlorobenzene	ND	6.5
Bromoform	ND	6.5
1,1,2,2-Tetrachloroethane	ND	6.5
Chlorotoluene	ND	6.5
1,3-Dichlorobenzene	ND	6.5
1,4-Dichlorobenzene	ND	6.5
1,2-Dichlorobenzene	ND	6.5
Benzylchloride	ND	6.5

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	108	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/10/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB505S05D91	DATE ANALYZED:	02/12/96
CONTROL NO.:	B042-03	MATRIX:	SOIL
% MOISTURE:	20.1	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	31.3
Chloromethane	ND	31.3
Vinyl Chloride	ND	31.3
Bromomethane	ND	31.3
Chloroethane	ND	31.3
Trichlorofluoromethane	ND	6.26
1,1-Dichloroethene	ND	6.26
Methylene Chloride	ND	31.3
cis-1,2-Dichloroethene	ND	6.26
trans-1,2-Dichloroethene	ND	6.26
1,1-Dichloroethane	ND	6.26
Chloroform	ND	6.26
1,1,1-Trichloroethane	ND	6.26
Carbon Tetrachloride	ND	6.26
1,2-Dichloroethane	ND	6.26
Trichloroethene	ND	6.26
1,2-Dichloropropane	ND	6.26
Dibromomethane	ND	6.26
Bromodichloromethane	ND	6.26
2-Chloroethyl vinylether	ND	6.26
trans-1,3-Dichloropropene	ND	6.26
cis-1,3-Dichloropropene	ND	6.26
1,1,2-Trichloroethane	ND	6.26
Tetrachloroethene	ND	6.26
1,3-Dichloropropane	ND	6.26
1,1,1,2-Tetrachloroethane	ND	6.26
Dibromochloromethane	ND	6.26
Ethylene Dibromide	ND	6.26
Chlorobenzene	ND	6.26
Bromoform	ND	6.26
1,1,2,2-Tetrachloroethane	ND	6.26
Chlorotoluene	ND	6.26
1,3-Dichlorobenzene	ND	6.26
1,4-Dichlorobenzene	ND	6.26
1,2-Dichlorobenzene	ND	6.26
Benzylchloride	ND	6.26

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	66	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/11/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB504S01D26.5	DATE ANALYZED:	02/12/96
CONTROL NO.:	B042-04	MATRIX:	SOIL
% MOISTURE:	6.6	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	26.8
Chloromethane	ND	26.8
Vinyl Chloride	ND	26.8
Bromomethane	ND	26.8
Chloroethane	ND	26.8
Trichlorofluoromethane	ND	5.35
1,1-Dichloroethene	ND	5.35
Methylene Chloride	ND	26.8
cis-1,2-Dichloroethene	ND	5.35
trans-1,2-Dichloroethene	ND	5.35
1,1-Dichloroethane	ND	5.35
Chloroform	ND	5.35
1,1,1-Trichloroethane	ND	5.35
Carbon Tetrachloride	ND	5.35
1,2-Dichloroethane	ND	5.35
Trichloroethene	ND	5.35
1,2-Dichloropropane	ND	5.35
Dibromomethane	ND	5.35
Bromodichloromethane	ND	5.35
2-Chloroethyl vinylether	ND	5.35
trans-1,3-Dichloropropene	ND	5.35
cis-1,3-Dichloropropene	ND	5.35
1,1,2-Trichloroethane	ND	5.35
Tetrachloroethene	ND	5.35
1,3-Dichloropropane	ND	5.35
1,1,1,2-Tetrachloroethane	ND	5.35
Dibromochloromethane	ND	5.35
Ethylene Dibromide	ND	5.35
Chlorobenzene	ND	5.35
Bromoform	ND	5.35
1,1,2,2-Tetrachloroethane	ND	5.35
Chlorotoluene	ND	5.35
1,3-Dichlorobenzene	ND	5.35
1,4-Dichlorobenzene	ND	5.35
1,2-Dichlorobenzene	ND	5.35
Benzylchloride	ND	5.35

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	104	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/11/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB504S02D76.5	DATE ANALYZED:	02/13/96
CONTROL NO.:	B042-05	MATRIX:	SOIL
% MOISTURE:	21.9	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	32
Chloromethane	ND	32
Vinyl Chloride	ND	32
Bromomethane	ND	32
Chloroethane	ND	32
Trichlorofluoromethane	ND	6.4
1,1-Dichloroethene	ND	6.4
Methylene Chloride	ND	32
cis-1,2-Dichloroethene	ND	6.4
trans-1,2-Dichloroethene	ND	6.4
1,1-Dichloroethane	ND	6.4
Chloroform	ND	6.4
1,1,1-Trichloroethane	ND	6.4
Carbon Tetrachloride	ND	6.4
1,2-Dichloroethane	ND	6.4
Trichloroethene	ND	6.4
1,2-Dichloropropane	ND	6.4
Dibromomethane	ND	6.4
Bromodichloromethane	ND	6.4
2-Chloroethyl vinylether	ND	6.4
trans-1,3-Dichloropropene	ND	6.4
cis-1,3-Dichloropropene	ND	6.4
1,1,2-Trichloroethane	ND	6.4
Tetrachloroethene	ND	6.4
1,3-Dichloropropane	ND	6.4
1,1,1,2-Tetrachloroethane	ND	6.4
Dibromochloromethane	ND	6.4
Ethylene Dibromide	ND	6.4
Chlorobenzene	ND	6.4
Bromoform	ND	6.4
1,1,2,2-Tetrachloroethane	ND	6.4
Chlorotoluene	ND	6.4
1,3-Dichlorobenzene	ND	6.4
1,4-Dichlorobenzene	ND	6.4
1,2-Dichlorobenzene	ND	6.4
Benzylchloride	ND	6.4

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	110	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/11/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB504S03D86.0	DATE ANALYZED:	02/13/96
CONTROL NO.:	B042-06	MATRIX:	SOIL
% MOISTURE:	26.6	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	34.1
Chloromethane	ND	34.1
Vinyl Chloride	ND	34.1
Bromomethane	ND	34.1
Chloroethane	ND	34.1
Trichlorofluoromethane	ND	6.81
1,1-Dichloroethene	ND	6.81
Methylene Chloride	ND	34.1
cis-1,2-Dichloroethene	ND	6.81
trans-1,2-Dichloroethene	ND	6.81
1,1-Dichloroethane	15	6.81
Chloroform	ND	6.81
1,1,1-Trichloroethane	ND	6.81
Carbon Tetrachloride	ND	6.81
1,2-Dichloroethane	ND	6.81
Trichloroethene	240	6.81
1,2-Dichloropropane	ND	6.81
Dibromomethane	ND	6.81
Bromodichloromethane	ND	6.81
2-Chloroethyl vinylether	ND	6.81
trans-1,3-Dichloropropene	ND	6.81
cis-1,3-Dichloropropene	ND	6.81
1,1,2-Trichloroethane	12	6.81
Tetrachloroethene	11	6.81
1,3-Dichloropropane	ND	6.81
1,1,1,2-Tetrachloroethane	ND	6.81
Dibromochloromethane	ND	6.81
Ethylene Dibromide	ND	6.81
Chlorobenzene	ND	6.81
Bromoform	ND	6.81
1,1,2,2-Tetrachloroethane	ND	6.81
Chlorotoluene	ND	6.81
1,3-Dichlorobenzene	ND	6.81
1,4-Dichlorobenzene	12	6.81
1,2-Dichlorobenzene	9.0	6.81
Benzylchloride	ND	6.81

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	119	60-140

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	NA
PROJECT:	Chula Vista	DATE RECEIVED:	NA
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	MBLK1S	DATE ANALYZED:	02/12/96
CONTROL NO.:	VAL587B	MATRIX:	SOIL
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Dichlorodifluoromethane	ND	25
Chloromethane	ND	25
Vinyl Chloride	ND	25
Bromomethane	ND	25
Chloroethane	ND	25
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
Methylene Chloride	ND	25
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
Chloroform	ND	5
1,1,1-Trichloroethane	ND	5
Carbon Tetrachloride	ND	5
1,2-Dichloroethane	ND	5
Trichloroethene	ND	5
1,2-Dichloropropane	ND	5
Dibromomethane	ND	5
Bromodichloromethane	ND	5
2-Chloroethyl vinylether	ND	5
trans-1,3-Dichloropropene	ND	5
cis-1,3-Dichloropropene	ND	5
1,1,2-Trichloroethane	ND	5
Tetrachloroethene	ND	5
1,3-Dichloropropane	ND	5
1,1,1,2-Tetrachloroethane	ND	5
Dibromochloromethane	ND	5
Ethylene Dibromide	ND	5
Chlorobenzene	ND	5
Bromoform	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Chlorotoluene	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
Benzylchloride	ND	5

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	115	60-140

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
MS/MSD ANALYSIS

IENT: Ogden Environmental
OJECT: Chula Vista
ETHOD: EPA 8010
MATRIX: SOIL
% MOISTURE: 8.9

BATCH NO.: 96B042
SAMPLE ID: BWB505S01D10.0
ONTROL NO.: B042-01
CCESSION: 96B042

DATE RECEIVED: 02/12/96
DATE EXTRACTED: NA
DATE ANALYZED: 02/12/96

RAMETER	SMPL RSLT (ug/kg)	SPIKE AMT (ug/kg)	MS RSLT (ug/kg)	MS % REC	SPIKE AMT (ug/kg)	MSD RSLT (ug/kg)	MSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
1,1-Dichloroethene	ND	274.00	284.00	103	274.00	277.00	101	3	60-140	40
Trichloroethene	ND	274.00	282.00	103	274.00	280.00	102	0	60-140	40
lorobenzene	ND	274.00	302.00	110	274.00	302.00	110	0	60-140	40

RROGATE PARAMETER	SPIKE AMT (ug/kg)	MS RSLT (ug/kg)	MS % REC	SPIKE AMT (ug/kg)	MSD RSLT (ug/kg)	MSD % REC	QC LIMIT %
Bromofluorobenzene	274.00	279.00	102	274.00	292.00	106	60-140

CKY QUALITY CONTROL DATA
LCS/LCD ANALYSIS

LIENT: Ogden Environmental
ROJECT: Chula Vista
METHOD: EPA 8010
MATRIX: SOIL
% MOISTURE: NA

BATCH NO.: 96B042
SAMPLE ID: LCS1S/LCS1SD
ONTROL NO.: VAL587L/C

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 02/12/96

ACCESSION: 96B042

ARAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
1,1-Dichloroethene	ND	100.00	123.00	123	100.00	122.00	122	1	70-125	40
Trichloroethene	ND	100.00	119.00	119	100.00	124.00	124	4	70-125	40
hlorobenzene	ND	100.00	121.00	121	100.00	119.00	119	2	70-125	40

URROGATE PARAMETER	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	QC LIMIT %
Bromofluorobenzene	250.00	259.00	104	250.00	240.00	96	60-140

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/10/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB505S01D10.0	DATE ANALYZED:	02/12/96
CONTROL NO.:	B042-01	MATRIX:	SOIL
% MOISTURE:	8.9	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	5.49
Toluene	ND	5.49
Ethylbenzene	ND	5.49
Total Xylenes	ND	16.5

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	65	60-140

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/10/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB505S04D85.5	DATE ANALYZED:	02/12/96
CONTROL NO.:	B042-02	MATRIX:	SOIL
% MOISTURE:	23.1	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	6.5
Toluene	ND	6.5
Ethylbenzene	ND	6.5
Total Xylenes	ND	19.5

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	65	60-140

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/10/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB505S05D91	DATE ANALYZED:	02/12/96
CONTROL NO.:	B042-03	MATRIX:	SOIL
% MOISTURE:	20.1	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	6.26
Toluene	ND	6.26
Ethylbenzene	ND	6.26
Total Xylenes	ND	18.8

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	40+	60-140

MDL: Method Detection Limit
+ : Outside QC limits, sample was reanalyzed on 02/14/96.

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/10/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB505S05D91	DATE ANALYZED:	02/14/96
CONTROL NO.:	B042-03R	MATRIX:	SOIL
% MOISTURE:	20.1	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	6.26
Toluene	ND	6.26
Ethylbenzene	ND	6.26
Total Xylenes	ND	18.8

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	50+	60-140

MDL: Method Detection Limit
+ : Outside QC limits on the reanalysis run

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/11/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB504S01D26.5	DATE ANALYZED:	02/12/96
CONTROL NO.:	B042-04	MATRIX:	SOIL
% MOISTURE:	6.6	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	5.35
Toluene	ND	5.35
Ethylbenzene	ND	5.35
Total Xylenes	ND	16.1

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	66	60-140

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/11/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB504S02D76.5	DATE ANALYZED:	02/13/96
CONTROL NO.:	B042-05	MATRIX:	SOIL
% MOISTURE:	21.9	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	6.4
Toluene	ND	6.4
Ethylbenzene	ND	6.4
Total Xylenes	ND	19.2

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	65	60-140

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/11/96
PROJECT:	Chula Vista	DATE RECEIVED:	02/12/96
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	BWB504S03D86.0	DATE ANALYZED:	02/13/96
CONTROL NO.:	B042-06	MATRIX:	SOIL
% MOISTURE:	26.6	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	6.81
Toluene	ND	6.81
Ethylbenzene	ND	6.81
Total Xylenes	ND	20.4

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	66	60-140

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	NA
PROJECT:	Chula Vista	DATE RECEIVED:	NA
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	MBLK1S	DATE ANALYZED:	02/12/96
CONTROL NO.:	VAL587B	MATRIX:	SOIL
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	5
Toluene	ND	5
Ethylbenzene	ND	5
Total Xylenes	ND	15

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	71	60-140

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	NA
PROJECT:	Chula Vista	DATE RECEIVED:	NA
BATCH NO.:	96B042	DATE EXTRACTED:	NA
SAMPLE ID:	MBLK2S	DATE ANALYZED:	02/14/96
CONTROL NO.:	VAL597B	MATRIX:	SOIL
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/kg)	MDL (ug/kg)
Benzene	ND	5
Toluene	ND	5
Ethylbenzene	ND	5
Total Xylenes	ND	15

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	65	60-140

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Chula Vista
METHOD: EPA 8020
MATRIX: SOIL
% MOISTURE: 8.9

BATCH NO.: 96B042
SAMPLE ID: BWB505S01D10.0
CONTROL NO.: 8042-01

DATE RECEIVED: 02/12/96
DATE EXTRACTED: NA
DATE ANALYZED: 02/13/96

ACCESSION: 96B042

PARAMETER	SMPL RSLT (ug/kg)	SPIKE AMT (ug/kg)	MS RSLT (ug/kg)	MS % REC	SPIKE AMT (ug/kg)	MSD RSLT (ug/kg)	MSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
Benzene	ND	274.00	228.00	83	274.00	226.00	82	1	60-140	40
Toluene	ND	274.00	223.00	81	274.00	223.00	81	0	60-140	40
Ethylbenzene	ND	274.00	237.00	86	274.00	237.00	86	0	60-140	40
Total Xylenes	ND	823.00	597.00	73	823.00	598.00	73	0	60-140	40

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	MS RSLT (ug/kg)	MS % REC	SPIKE AMT (ug/kg)	MSD RSLT (ug/kg)	MSD % REC	QC LIMIT %
Bromofluorobenzene	274.00	284.00	104	274.00	278.00	101	60-140

CKY QUALITY CONTROL DATA
LCS/LCD ANALYSIS

LIENT: Ogden Environmental
ROJECT: Chula Vista
ETHOD: EPA 8020
MATRIX: SOIL
% MOISTURE: NA

BATCH NO.: 968042
SAMPLE ID: LCS1S/LCS1SD
ONTROL NO.: VAL587L/C

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 02/12/96

ACCESSION: 96B042

ARAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
Benzene	ND	100.00	88.50	88	100.00	88.00	88	1	70-125	40
Toluene	ND	100.00	90.00	90	100.00	89.00	89	1	70-125	40
thylbenzene	ND	100.00	100.50	101	100.00	104.00	104	2	70-125	40
otal Xylenes	ND	300.00	248.00	83	300.00	261.00	87	5	70-125	40

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	QC LIMIT %
romofluorobenzene	250.00	252.00	101	250.00	249.00	100	60-140

CKY QUALITY CONTROL DATA
LCS/LCD ANALYSIS

LIENT: Ogden Environmental
ROJECT: Chula Vista
METHOD: EPA 8020
MATRIX: SOIL
MOISTURE: NA

BATCH NO.: 96B042
SAMPLE ID: LCS2S/LCS2SD
ONTROL NO.: VAL597L/C

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 02/14/96

ACCESSION: 96B042

ARAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
Benzene	ND	100.00	90.00	90	100.00	87.00	87	3	70-125	40
Toluene	ND	100.00	91.50	92	100.00	88.50	88	3	70-125	40
thylbenzene	ND	100.00	88.50	89	100.00	96.50	97	9	70-125	40
otal Xylenes	ND	300.00	240.00	80	300.00	232.00	77	4	70-125	40

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	QC LIMIT %
romofluorobenzene	250.00	246.00	99	250.00	244.00	98	60-140

STERLING

Analytical Laboratory

CKY Inc. Analytical Laboratories
630 Maple Avenue
Torrance, CA 90503

Attn: Dr. W. Nisamaneepong

February 21, 1996

Job No.: 0691081.00
Project Name: Ogden
Folder No.: 4270

LABORATORY REPORT

Samples: Six (6) soil samples from 96B042-Odgen, collected on 02/10/96 and 02/11/96 and received on 02/12/96.

Sample ID	TOC (Walkley Black) %
96B042-1	0.027
96B042-2	0.011
96B042-3	0.072
96B042-4	0.079
96B042-5	0.019
96B042-6	0.015
Reporting Limit	0.010
Date Analyzed	02/20/96

Reviewed by

Approved by

C4270.rep

2860 Walnut Avenue
Long Beach, CA 90806-1834

(800) 366-9324 • (310) 595-9324
(310) 595-6709 FAX

STERLING
Analytical Laboratory

Quality Assurance Addendum Report

LAB ID	SYMBOL	TEST	UNITS	QA/QC Results Sample	Dup.	RPD(%)
4270-6	---	TOC	%	0.015	0.011	28

Notes:

Note that Matrix Spikes are not project specific. Therefore, spike information shown on this report may not be from the same project; however, they were analyzed in the same analytical batch.

Definitions:

Spike: A sample from the analytical batch which has been spiked with the parameter(s) of interest at a known concentration and taken through the same preparation and analysis as the samples.

Spike Duplicate: A duplicate of the spiked sample, taken from a separate aliquot of the sample.

RPD: Relative Percent Difference between a Spike and a Spike Duplicate (or a sample and sample duplicate).
RPD = [(Spike-Spk. Dup.)/Mean] * 100

Where the mean is the average spike recovery of the matrix spike and the matrix spike duplicate.

Mean: The average sample results, from both samples and sample duplicates.

Control limits are calculated by Sterling Analytical Laboratory for internal use from existing spike data. Control limits are found by calculating three standard deviations above and below the mean of the population.

C4270.qa

4270

CHAIN OF CUSTODY RECORD
REQUEST FOR ANALYSIS

DATE: _____

PAGE ____ OF ____

C K Y incorporated
Analytical Laboratories
630 Maple Ave.
Torrance, Calif. 90503
Tel: 310-618-8889
Fax: 310-618-0818

CLIENT NAME: CKY INC. ANALYTICAL LAB.
ADDRESS: 630 MAPLE AVE.
TORRANCE, CA 90503
PHONE NO. (310) 618-8889 FAX NO. (310) 618-0818
PROJECT NAME: 968042 - OGDEN
SEND REPORT TO: DR. W. NISAMANEEPONG

SAMPLER NAME/SIGNATURE

TURN AROUND TIME: NORMAL ☑ RUSH ☐

ANALYSES REQUIRED

4270

	SAMPLE NUMBER	SAMPLING DATE/TIME		PRESER-VATIVE	CONTAINER SIZE/TYPE	SAMPLE DESCRIPTION WATER	SOIL	OTHER	418.1	M8015	8010/601	8020/602	8080/608	8240/624	8270/625	CAM Metals	TOC EPA METHOD 9D-3.2 ASA							
-1	968042- 1	2/10/96	0930				X										X							
-2	2	↓	1130				X										X							
-3	3	↓	1220				X										X							
-4	4	2/11/96	0940				X										X							
-5	5	↓	1142				X										X							
-6	6	↓	1325				X										X							

COMMENTS:

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:
[illegible]	2-12-96	Hao Nguyen	2-12-96				
Company: CKY	Time: 1345	Company: STERLING LAB	Time: 1345	Company:	Time:	Company:	Time:

Storage/Disposal of Samples. Sample will be stored at CKY for 30 days at no charge and at $10/sample/month thereafter. Disposal of sample by the Laboratory will be charged at $10/sample.

AnalyticalTechnologies, Inc.

5550 MOREHOUSE DRIVE
SAN DIEGO, CA 92121-1709
(619) 458-9141

Chain of Custody

96B042 L1

DATE 2/11/96 PAGE 1 OF 1

PROJECT MANAGER: DON BARRIE
COMPANY: OGDEN ENVIRONMENTAL
ADDRESS: 5510 MOREHOUSE DR. SAN DIEGO, CA 92121

BILL TO: SAME AS ABOVE
COMPANY:
ADDRESS:

SAMPLERS: (Signature) PHONE NUMBER (619) 458-9044

Recommended Quantity and Preservative (Provide triple volume on QC Samples)

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons 418.1 (1L (H2 SO4)/100g)	Oil and Grease 413.2 (1L (H2 SO4)/100g)	Gasoline (MOD 8015/DOHS) (4 oz (HCl)/50g)	Diesel (MOD 8015/DOHS) (4 oz (HCl)/50g)	Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline:2ppm(water),50ppm(Soil) (2X40ml (HCl)/50g)	MOD 8015 (Unknown) (4 oz (HCl)/50g)	BTXE (8020) (2X40ml (HCl)/50g)	Chlorinated Hydrocarbons (8010) (2X40ml (HCl)/50g)	Aromatic Hydrocarbons (8020) (2X40ml (HCl)/50g)	Chlorinated/Aromatic Hydrocarbons (8010/8020) (2X40ml (HCl)/50g)	Organic Pb (500ml/50g)	Pesticides/PCB (8080) (1L/50g)	Base/NEU/Acid Cmpds GC/MS (8270) (1L/100g)	Volatile Cmpds GC/MS (8240) (2X40ml (HCl)/100g)	Polynuclear Aromatic (8310) (1L/100g)	CCR Metals (500ml/100g)	Priority Pollutant Metals (500ml/100g)	TOC (EPA METHOD 9D-3.2 ASA)	Number of Containers
1 BWB5Ø5S01D10.0	2/10/96	093Ø	SOIL											X								X	1
2 BWB5Ø5S04D85.5	↓	113Ø	↓											X								X	1
3 BWB5Ø5S05D91	↓	122Ø	↓											X								X	1
4 BWB5Ø4S01D26.5	2/11/96	094Ø	SOIL											X								X	1
5 BWB5Ø4S02D76.5	↓	1142	↓											X								X	1
6 BWB5Ø4S03D86.0	↓	1325	↓											X								X	1

PROJECT INFORMATION	SAMPLE RECEIPT
PROJECT NUMBER: 570920144	TOTAL NUMBER OF CONTAINERS
PROJECT NAME: CITICORP	CHAIN OF CUSTODY SEALS Y/N/NA
PURCHASE ORDER NUMBER:	SEALS INTACT? Y/N/NA
VIA: COURIER	RECEIVED GOOD COND/COLD
TAT: ☐24HR ☐48HRS ☐72HRS ☐1WK ☑2WK	LAB NUMBER

SAMPLE DISPOSAL INSTRUCTIONS

☑ Disposal @ ~~$5.00/each~~ ☐ Return ☐ Pickup

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 19:10	Signature: Time:	Signature: Time:
Printed Name: DON BARRIE Date: 2/11/96	Printed Name: Date:	Printed Name: Date:
Company: OGDEN	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc.

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

T = 4°C.

CKY INC., ANALYTICAL LABORATORIES, 630 Maple Ave., Torrance, Calif. 90503 Tel. (310) 618-8889 Fax: (310) 618-0818

SAMPLE RECEIPT FORM

CONTROL NO.	96B042
CLIENT	OGDEN
PROJECT	CHULA VISTA

DATE	02- 12 -96
TIME	11:10 AM
RECIPIENT	C. TIANGCO

SAMPLE TRANSPORTATION TO CKY LABORATORY:	BY	ON(DATE)	AT(TIME)	FROM(SITE/CO.)	COMMENTS
PICKED-UP BY CKY COURIER					
DELIVERED BY CLIENT ✓					
SHIPPED/AIRBILL NO AM-PM DEL > 397328	SEE RECEIPT				

SAMPLE BATCH PACKAGING/SEALING UPON RECEIPT:	NO CONTAINER	✓ INTACT	DAMAGED	NOT SEALED	✓ SEALED

CONTAINER:	INSIDE TEMPERATURE:		4° C	CUSTODY SEAL /OTHER SEAL		LOCATION	NUMBER
✓ COOLER	PACKAGING	TYPE	SUFFICIENCY	✓ INTACT	DAMAGED		
BOX	INSULATION:		OK	NAME:		AROUND CLOSURE	1
OTHER:	ICE/COOLANT:	BLUE ICE	↓	DATE:			
	PACKING MATERIAL:	NONE		TIME:			

SAMPLE DOCUMENTATION/CHAIN-OF-CUSTODY(COC)	NONE	✓ HANDCARRIED	ENCLOSED	FAXED	SEALED

SAMPLE LOG-IN:	CRITERIA	COMMENTS	DISCREPANCY
SAMPLE CUSTODY SEAL	EVERY SAMPLE	NONE	
CONTAINER TYPE/MATERIAL	APPROPRIATE	OK	
SAMPLE AMOUNT	ENOUGH	↓	
SAMPLE PRESERVATION/HOLDING TIME	SUFFICIENT		
HEADSPACE/BUBBLES	ZERO/NONE		
SAMPLE LABEL INFORMATION	SUFFICIENT	} SEE BELOW	
CHAIN-OF-CUSTODY INFORMATION	SUFFICIENT		

SAMPLE INFO.:	SAMPLE ID ✓	DATE ✓	TIME ✓	SIGNATURE ✓	ANALYSES ✓	PRESERVATIVE	CONTAINER ✓
INDIVIDUAL SAMPLE CONTAINER:		NONE	PLASTIC BAG	CAN	OTHER(SPECIFY):		SEALED

SAMPLE NUMBER	CLIENT ID	DISCREPANCY	ACTION
		ORIGINAL COC WAS NOT REC'D, ONLY	
		DUPLICATE WAS REC'D	

CLIENT SERVICES COPY RECEIVED BY	[illegible] 2/12	DATE		TIME	

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
SAMPLE ID:	MW01-S01	DATE ANALYZED:	03/10/96
CONTROL NO.:	B134-01	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/L)	MDL (ug/L)
Dichlorodifluoromethane	ND	5
Chloromethane	ND	5
Vinyl Chloride	ND	5
Bromomethane	ND	5
Chloroethane	ND	5
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	ND	1
Methylene Chloride	87	5
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
1,1-Dichloroethane	ND	1
Chloroform	ND	1
1,1,1-Trichloroethane	ND	1
Carbon Tetrachloride	ND	1
1,2-Dichloroethane	ND	1
Trichloroethene	13	1
1,2-Dichloropropane	ND	1
Dibromomethane	ND	1
Bromodichloromethane	ND	1
2-Chloroethyl vinylether	ND	1
trans-1,3-Dichloropropene	ND	1
cis-1,3-Dichloropropene	ND	1
1,1,2-Trichloroethane	ND	1
Tetrachloroethene	ND	1
1,3-Dichloropropane	ND	1
1,1,1,2-Tetrachloroethane	ND	1
Dibromochloromethane	ND	1
Ethylene Dibromide	ND	1
Chlorobenzene	ND	1
Bromoform	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorotoluene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1
Benzylchloride	ND	1

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	68	65-135

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
SAMPLE ID:	MW02-S01	DATE ANALYZED:	03/10/96
CONTROL NO.:	B134-02	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/L)	MDL (ug/L)
Dichlorodifluoromethane	ND	5
Chloromethane	ND	5
Vinyl Chloride	ND	5
Bromomethane	ND	5
Chloroethane	ND	5
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	19	1
Methylene Chloride	55	5
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
1,1-Dichloroethane	ND	1
Chloroform	ND	1
1,1,1-Trichloroethane	ND	1
Carbon Tetrachloride	ND	1
1,2-Dichloroethane	ND	1
Trichloroethene	1.6	1
1,2-Dichloropropane	ND	1
Dibromomethane	ND	1
Bromodichloromethane	ND	1
2-Chloroethyl vinylether	ND	1
trans-1,3-Dichloropropene	ND	1
cis-1,3-Dichloropropene	ND	1
1,1,2-Trichloroethane	ND	1
Tetrachloroethene	ND	1
1,3-Dichloropropane	ND	1
1,1,1,2-Tetrachloroethane	ND	1
Dibromochloromethane	ND	1
Ethylene Dibromide	ND	1
Chlorobenzene	ND	1
Bromoform	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorotoluene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1
Benzylchloride	ND	1

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	66	65-135

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
SAMPLE ID:	MW03-S01	DATE ANALYZED:	03/11/96
CONTROL NO.:	B134-03	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/L)	MDL (ug/L)
Dichlorodifluoromethane	ND	5
Chloromethane	ND	5
Vinyl Chloride	ND	5
Bromomethane	ND	5
Chloroethane	ND	5
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	22	1
Methylene Chloride	68	5
cis-1,2-Dichloroethene	11	1
trans-1,2-Dichloroethene	ND	1
1,1-Dichloroethane	60	1
Chloroform	16	1
1,1,1-Trichloroethane	ND	1
Carbon Tetrachloride	ND	1
1,2-Dichloroethane	4.3	1
Trichloroethene	400	1
1,2-Dichloropropane	ND	1
Dibromomethane	ND	1
Bromodichloromethane	ND	1
2-Chloroethyl vinylether	ND	1
trans-1,3-Dichloropropene	ND	1
cis-1,3-Dichloropropene	ND	1
1,1,2-Trichloroethane	31	1
Tetrachloroethene	26	1
1,3-Dichloropropane	ND	1
1,1,1,2-Tetrachloroethane	ND	1
Dibromochloromethane	ND	1
Ethylene Dibromide	ND	1
Chlorobenzene	ND	1
Bromoform	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorotoluene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1
Benzylchloride	ND	1

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	76	65-135

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
SAMPLE ID:	MW05-S01	DATE ANALYZED:	03/11/96
CONTROL NO.:	B134-04	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/L)	MDL (ug/L)
Dichlorodifluoromethane	ND	5
Chloromethane	ND	5
Vinyl Chloride	ND	5
Bromomethane	ND	5
Chloroethane	ND	5
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	ND	1
Methylene Chloride	30	5
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
1,1-Dichloroethane	ND	1
Chloroform	ND	1
1,1,1-Trichloroethane	ND	1
Carbon Tetrachloride	ND	1
1,2-Dichloroethane	ND	1
Trichloroethene	3.0	1
1,2-Dichloropropane	ND	1
Dibromomethane	ND	1
Bromodichloromethane	ND	1
2-Chloroethyl vinylether	ND	1
trans-1,3-Dichloropropene	ND	1
cis-1,3-Dichloropropene	ND	1
1,1,2-Trichloroethane	ND	1
Tetrachloroethene	ND	1
1,3-Dichloropropane	ND	1
1,1,1,2-Tetrachloroethane	ND	1
Dibromochloromethane	ND	1
Ethylene Dibromide	ND	1
Chlorobenzene	ND	1
Bromoform	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorotoluene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1
Benzylchloride	ND	1

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	67	65-135

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
SAMPLE ID:	MW04-S01	DATE ANALYZED:	03/11/96
CONTROL NO.:	B134-05	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/L)	MDL (ug/L)
Dichlorodifluoromethane	ND	5
Chloromethane	ND	5
Vinyl Chloride	ND	5
Bromomethane	ND	5
Chloroethane	ND	5
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	67	1
Methylene Chloride	79	5
cis-1,2-Dichloroethene	11	1
trans-1,2-Dichloroethene	ND	1
1,1-Dichloroethane	76	1
Chloroform	16	1
1,1,1-Trichloroethane	ND	1
Carbon Tetrachloride	ND	1
1,2-Dichloroethane	24	1
Trichloroethene	720	1
1,2-Dichloropropane	ND	1
Dibromomethane	ND	1
Bromodichloromethane	ND	1
2-Chloroethyl vinylether	ND	1
trans-1,3-Dichloropropene	ND	1
cis-1,3-Dichloropropene	ND	1
1,1,2-Trichloroethane	47	1
Tetrachloroethene	56	1
1,3-Dichloropropane	ND	1
1,1,1,2-Tetrachloroethane	ND	1
Dibromochloromethane	ND	1
Ethylene Dibromide	ND	1
Chlorobenzene	ND	1
Bromoform	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorotoluene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1
Benzylchloride	ND	1

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	80	65-135

MDL: Method Detection Limit

EPA METHOD 8010
HALOGENATED VOLATILE ORGANICS

CLIENT:	Ogden Environmental	DATE COLLECTED:	NA
PROJECT:	Brandywine	DATE RECEIVED:	NA
BATCH NO.:	96B134	DATE EXTRACTED:	NA
SAMPLE ID:	MBLK1W	DATE ANALYZED:	03/10/96
CONTROL NO.:	VAL687B	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/L)	MDL (ug/L)
Dichlorodifluoromethane	ND	5
Chloromethane	ND	5
Vinyl Chloride	ND	5
Bromomethane	ND	5
Chloroethane	ND	5
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	ND	1
Methylene Chloride	ND	5
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
1,1-Dichloroethane	ND	1
Chloroform	ND	1
1,1,1-Trichloroethane	ND	1
Carbon Tetrachloride	ND	1
1,2-Dichloroethane	ND	1
Trichloroethene	ND	1
1,2-Dichloropropane	ND	1
Dibromomethane	ND	1
Bromodichloromethane	ND	1
2-Chloroethyl vinylether	ND	1
trans-1,3-Dichloropropene	ND	1
cis-1,3-Dichloropropene	ND	1
1,1,2-Trichloroethane	ND	1
Tetrachloroethene	ND	1
1,3-Dichloropropane	ND	1
1,1,1,2-Tetrachloroethane	ND	1
Dibromochloromethane	ND	1
Ethylene Dibromide	ND	1
Chlorobenzene	ND	1
Bromoform	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorotoluene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1
Benzylchloride	ND	1

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	66	65-135

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
LCS/LCD ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 8010
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: LCS1W/LCS1WD
ONTROL NO.: VAL687LR/CR

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 03/11/96

ACCESSION: 96B134

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
1,1-Dichloroethene	ND	20.00	18.70	94	20.00	17.70	88	5	70-125	30
richloroethene	ND	20.00	22.20	111	20.00	20.40	102	8	70-125	30
hlorobenzene	ND	20.00	20.70	104	20.00	21.10	106	2	70-125	30

SURROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT %
romofluorobenzene	50.00	46.90	94	50.00	48.80	98	65-135

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
SAMPLE ID:	MW01-S01	DATE ANALYZED:	03/10/96
CONTROL NO.:	B134-01	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/L)	MDL (ug/L)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Total Xylenes	ND	3

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	76	65-135

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
SAMPLE ID:	MW02-S01	DATE ANALYZED:	03/10/96
CONTROL NO.:	B134-02	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/L)	MDL (ug/L)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Total Xylenes	ND	3

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	65	65-135

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
SAMPLE ID:	MW03-S01	DATE ANALYZED:	03/11/96
CONTROL NO.:	B134-03	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/L)	MDL (ug/L)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Total Xylenes	ND	3

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	100	65-135

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
SAMPLE ID:	MW05-S01	DATE ANALYZED:	03/11/96
CONTROL NO.:	B134-04	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/L)	MDL (ug/L)
Benzene	ND	1
Toluene	1.9	1
Ethylbenzene	ND	1
Total Xylenes	ND	3

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	67	65-135

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
SAMPLE ID:	MW04-S01	DATE ANALYZED:	03/11/96
CONTROL NO.:	B134-05	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/L)	MDL (ug/L)
Benzene	7.1	1
Toluene	ND	1
Ethylbenzene	ND	1
Total Xylenes	ND	3

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	86	65-135

MDL: Method Detection Limit

EPA METHOD 8020
BTEX

CLIENT:	Ogden Environmental	DATE COLLECTED:	NA
PROJECT:	Brandywine	DATE RECEIVED:	NA
BATCH NO.:	96B134	DATE EXTRACTED:	NA
SAMPLE ID:	MBLK1W	DATE ANALYZED:	03/10/96
CONTROL NO.:	VAL687B	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

PARAMETERS	RESULTS (ug/L)	MDL (ug/L)
Benzene	ND	1
Toluene	ND	1
Ethylbenzene	ND	1
Total Xylenes	ND	3

SURROGATE PARAMETER	% RECOVERY	QC LIMIT
Bromofluorobenzene	70	65-135

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
LCS/LCD ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 8020
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: LCS1W/LCS1WD
ONTROL NO.: VAL687LR/CR

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 03/11/96

ACCESSION: 96B134

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
enzene	ND	20.00	17.60	88	20.00	17.60	88	0	70-125	30
oluene	ND	20.00	18.90	94	20.00	18.70	94	1	70-125	30
thylbenzene	ND	20.00	20.50	102	20.00	20.50	102	0	70-125	30
Total Xylenes	ND	60.00	54.10	90	60.00	54.20	90	0	70-125	30

URROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT %
Bromofluorobenzene	50.00	50.60	101	50.00	51.50	103	65-135

EPA METHOD 425.1
MBAS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	02/29/96

SAMPLE ID	CONTROL NO	RESULT (mg/L)	DILUTION FACTOR	MDL (mg/L)
MW01-S01	B134-01	0.1	1	.1
MW02-S01	B134-02	ND	1	.1
MW03-S01	B134-03	0.76	1	.1
MW05-S01	B134-04	ND	1	.1
MW04-S01	B134-05	0.73	1	.1
MBLK1W	MBB001WB	ND	1	.1

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 425.1
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: MW02-S01
CONTROL NO.: B134-02

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 02/29/96

ACCESSION: 96B134

PARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
MBAS	ND	ND	0	20

CKY QUALITY CONTROL DATA
MS ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
ETHOD: EPA 425.1
ATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: MW02-S01
ONTROL NO.: B134-02

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 02/29/96

ACCESSION: 96B134

ARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
MBAS	ND	.50	.50	100	75-125

CKY QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 425.1
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: LCS1W
CONTROL NO.: MBB001WL

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 02/29/96

ACCESSION: 96B134

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	LCS RSLT (mg/L)	LCS % REC	QC LIMIT (%)
MBAS	ND	.50	.52	104	85-115

EPA METHOD 180.1
TURBIDITY

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	02/29/96

SAMPLE ID	CONTROL NO	RESULT (NTU)	DILUTION FACTOR	MDL (NTU)
MW01-S01	B134-01	303	20	20
MW02-S01	B134-02	258	20	20
MW03-S01	B134-03	3850	200	200
MW05-S01	B134-04	7240	200	200
MW04-S01	B134-05	684	40	40
MBLK1W	TUB004WB	ND	1	1

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 180.1
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: MW02-S01
CONTROL NO.: B134-02

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 02/29/96

ACCESSION: 96B134

PARAMETER	SAMPLE (NTU)	DUP. SAMPLE (NTU)	RPD (%)	RPD LIMIT (%)
Turbidity	258.00	269.00	4	20

CKY QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 180.1
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: LCS1W
CONTROL NO.: TUB004WL

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 02/29/96

ACCESSION: 96B134

PARAMETER	BLNK RSLT (NTU)	SPIKE AMT (NTU)	LCS RSLT (NTU)	LCS % REC	QC LIMIT (%)
Turbidity	ND	4.20	4.10	98	85-115

EPA METHOD 310.1
TOTAL ALKALINITY

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	03/01/96

SAMPLE ID	CONTROL NO	RESULT (mg/L)	DILUTION FACTOR	MDL (mg/L)
MW01-S01	B134-01	212	1	10
MW02-S01	B134-02	526	1	10
MW03-S01	B134-03	450	1	10
MW05-S01	B134-04	104	1	10
MW04-S01	B134-05	580	1	10
MBLK1W	ALC001WB	ND	1	10

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 310.1
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: MW05-S01
ONTROL NO.: B134-04

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 03/01/96

ACCESSION: 96B134

PARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
Alkalinity	104.00	101.00	3	20

CKY QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 310.1
MATRIX: WATER
% MOISTURE: NA

==========

BATCH NO.: 96B134
SAMPLE ID: MW05-S01
CONTROL NO.: B134-04

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 03/01/96

ACCESSION: 96B134

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Alkalinity	104.00	240.00	323.00	91	75-125

CKY QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 310.1
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: LCS1W
CONTROL NO.: ALC001WL

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 03/01/96

ACCESSION: 96B134

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	LCS RSLT (mg/L)	LCS % REC	QC LIMIT (%)
Alkalinity	ND	152.00	142.00	93	85-115

EPA METHOD 300
CHLORIDE

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	03/06/96

SAMPLE ID	CONTROL NO	RESULT (mg/L)	DILUTION FACTOR	MDL (mg/L)
MW01-S01	B134-01	4140	500	100
MW02-S01	B134-02	598	100	20
MW03-S01	B134-03	5400	1000	200
MW05-S01	B134-04	3330	500	100
MW04-S01	B134-05	2450	500	100
MBLK1W	ICC001WB	ND	1	.2

MDL : Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 300
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: MW01-S01
ONTROL NO.: B134-01

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 03/06/96

ACCESSION: 96B134

ARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
hloride	4140.00	4110.00	1	20

CKY QUALITY CONTROL DATA
LCS ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 300
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: LCS1W
ONTROL NO.: ICC001WL

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 03/06/96

ACCESSION: 96B134

ARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	LCS RSLT (mg/L)	LCS % REC	QC LIMIT (%)
hloride	ND	5.00	4.58	92	85-115

EPA METHOD 300
SULFATE

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	03/06/96

SAMPLE ID	CONTROL NO	RESULT (mg/L)	DILUTION FACTOR	MDL (mg/L)
MW01-S01	B134-01	1800	100	100
MW02-S01	B134-02	358	100	100
MW03-S01	B134-03	1320	100	100
MW05-S01	B134-04	1020	100	100
MW04-S01	B134-05	1800	100	100
MBLK1W	ICC001WB	ND	1	1

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 300
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: MW01-S01
ONTROL NO.: B134-01

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 03/06/96

ACCESSION: 96B134

PARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
ulfate	1800.00	1790.00	1	20

CKY QUALITY CONTROL DATA
MS ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 300
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: MW01-S01
ONTROL NO.: B134-01

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 03/06/96

ACCESSION: 96B134

ARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Sulfate	1800.00	1000.00	3050.00	125	75-125

CKY QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 300
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: LCS1W
CONTROL NO.: ICC001WL

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 03/06/96

ACCESSION: 96B134

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	LCS RSLT (mg/L)	LCS % REC	QC LIMIT (%)
Sulfate	ND	10.00	8.80	88	85-115

EPA METHOD 300
NITRATE

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	03/07/96

SAMPLE ID	CONTROL NO	RESULT (mg/L)	DILUTION FACTOR	MDL (mg/L)
MW01-S01	B134-01	5.91	25	2.5
MW02-S01	B134-02	17.4	25	2.5
MW03-S01	B134-03	231	100	10
MW05-S01	B134-04	8.57	10	1
MW04-S01	B134-05	228	100	10
MBLK1W	ICC002WB	ND	1	.1

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 300
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: MW01-S01
CONTROL NO.: B134-01

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 03/07/96

ACCESSION: 96B134

PARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
Nitrate	5.91	5.52	7	20

CKY QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 300
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: MW01-S01
CONTROL NO.: B134-01

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 03/07/96

ACCESSION: 96B134

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Nitrate	5.91	125.00	148.00	114	75-125

CKY QUALITY CONTROL DATA
LCS ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 300
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: LCS1W
ONTROL NO.: ICC002WL

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 03/07/96

ACCESSION: 96B134

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	LCS RSLT (mg/L)	LCS % REC	QC LIMIT (%)
itrate	ND	5.00	5.10	102	85-115

EPA METHOD 300
FLUORIDE

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	03/07/96

SAMPLE ID	CONTROL NO	RESULT (mg/L)	DILUTION FACTOR	MDL (mg/L)
MW01-S01	B134-01	.81	1	.2
MW02-S01	B134-02	1.57	1	.2
MW03-S01	B134-03	.77	1	.2
MW05-S01	B134-04	.99	1	.2
MW04-S01	B134-05	.71	1	.2
MBLK1W	FLC001WB	ND	1	.2

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 300
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: MW03-S01
ONTROL NO.: B134-03

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 03/07/96

ACCESSION: 96B134

ARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
luoride	.77	.79	3	20

CKY QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 300
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: MW03-S01
CONTROL NO.: B134-03

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 03/07/96

ACCESSION: 96B134

PARAMETER	SMPL RSLT (mg/L)	SPIKE AMT (mg/L)	MS RSLT (mg/L)	MS % REC	QC LIMIT (%)
Fluoride	.77	5.00	5.16	88	75-125

CKY QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 300
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: LCS1W
CONTROL NO.: FLC001WL

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 03/07/96

ACCESSION: 96B134

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	LCS RSLT (mg/L)	LCS % REC	QC LIMIT (%)
Fluoride	ND	20.00	20.50	103	85-115

EPA METHOD 150.1
PH

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	03/01/96

SAMPLE ID	CONTROL NO	RESULT (pH unit)	DILUTION FACTOR	MDL (pH unit)
MW01-S01	B134-01	7.4	1	.1
MW02-S01	B134-02	7.9	1	.1
MW03-S01	B134-03	7.3	1	.1
MW05-S01	B134-04	7.3	1	.1
MW04-S01	B134-05	7.6	1	.1

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 150.1
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: MW05-S01
CONTROL NO.: B134-04

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 03/01/96

ACCESSION: 96B134

PARAMETER	SAMPLE (pH unit)	DUP. SAMPLE (pH unit)	RPD (%)	RPD LIMIT (%)
pH	7.30	7.30	0	20

CKY QUALITY CONTROL DATA
LCS ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 150.1
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: LCS1W
ONTROL NO.: PHC001WL

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 03/01/96

ACCESSION: 96B134

ARAMETER	BLNK RSLT (pH unit)	SPIKE AMT (pH unit)	LCS RSLT (pH unit)	LCS % REC	QC LIMIT (%)
H	ND	9.08	8.99	99	85-115

EPA METHOD 120.1
ELECTRICAL CONDUCTIVITY

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	03/04/96

SAMPLE ID	CONTROL NO	RESULT (umhos/cm)	DILUTION FACTOR	MDL (umhos/cm)
MW01-S01	B134-01	11900	1	.5
MW02-S01	B134-02	3720	1	.5
MW03-S01	B134-03	16700	1	.5
MW05-S01	B134-04	9740	1	.5
MW04-S01	B134-05	10800	1	.5

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 120.1
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: MW01-S01
ONTROL NO.: B134-01

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 03/04/96

ACCESSION: 96B134

PARAMETER	SAMPLE (umhos/cm)	DUP. SAMPLE (umhos/cm)	RPD (%)	RPD LIMIT (%)
Electrical Conductivity	11900.00	11900.00	0	20

CKY QUALITY CONTROL DATA
LCS ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 120.1
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: LCS1W
ONTROL NO.: ECC001WL

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 03/04/96

ACCESSION: 96B134

PARAMETER	BLNK RSLT (umhos/cm)	SPIKE AMT (umhos/cm)	LCS RSLT (umhos/cm)	LCS % REC	QC LIMIT (%)
lectrical Conductivity	ND	1410.00	1410.00	100	85-115

EPA METHOD 160.1
TOTAL DISSOLVED SOLIDS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	03/04/96

SAMPLE ID	CONTROL NO	RESULT (mg/L)	DILUTION FACTOR	MDL (mg/L)
MW01-S01	B134-01	7900	1	10
MW02-S01	B134-02	2310	1	10
MW03-S01	B134-03	10600	1	10
MW05-S01	B134-04	5800	1	10
MW04-S01	B134-05	7820	1	10
MBLK1W	DSC001WB	ND	1	10

MDL : Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 160.1
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: TURBDT/TDS-SP5
ONTROL NO.: C016-08

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 03/04/96

ACCESSION: 96B134 96C015 96C016

PARAMETER	SAMPLE (mg/L)	DUP. SAMPLE (mg/L)	RPD (%)	RPD LIMIT (%)
TDS	915.00	980.00	7	20

CKY QUALITY CONTROL DATA
LCS ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 160.1
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: LCS1W
ONTROL NO.: DSC001WL

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 03/04/96

ACCESSION: 96B134 96C015 96C016

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	LCS RSLT (mg/L)	LCS % REC	QC LIMIT (%)
DS	ND	856.00	770.00	90	85-115

EPA 110.2
COLOR

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	02/29/96

SAMPLE ID	CONTROL NO	RESULT (Color Units)	DILUTION FACTOR	MDL (Color Units)
MW01-S01	B134-01	10	1	10
MW02-S01	B134-02	10	1	10
MW03-S01	B134-03	40	1	10
MW05-S01	B134-04	10	1	10
MW04-S01	B134-05	40	1	10
MBLK1W	C0B001WB	ND	1	10

MDL : Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 110.2
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: MW04-S01
CONTROL NO.: B134-05

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 02/29/96

ACCESSION: 96B134

PARAMETER	SAMPLE (Color Units)	DUP. SAMPLE (Color Units)	RPD (%)	RPD LIMIT (%)
Color	40.00	40.00	0	20

CKY QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 110.2
MATRIX: WATER
% MOISTURE: NA

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BATCH NO.: 96B134
SAMPLE ID: LCS1W
CONTROL NO.: C0B001WL

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 02/29/96

ACCESSION: 96B134

PARAMETER	BLNK RSLT (Color Units)	SPIKE AMT (Color Units)	LCS RSLT (Color Units)	LCS % REC	QC LIMIT (%)
Color	ND	30.00	30.00	100	85-115

EPA 140.1
ODOR

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	02/29/96

SAMPLE ID	CONTROL NO	RESULT (TON)	DILUTION FACTOR	MDL (TON)
MW01-S01	B134-01	ND	1	1
MW02-S01	B134-02	ND	1	1
MW03-S01	B134-03	ND	1	1
MW05-S01	B134-04	ND	1	1
MW04-S01	B134-05	ND	1	1
MBLK1W	ODB001WB	ND	1	1

MDL : Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

LIENT: Ogden Environmental
ROJECT: Brandywine
METHOD: EPA 140.1
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
AMPLE ID: MW01-S01
ONTROL NO.: B134-01

DATE RECEIVED: 02/28/96
DATE EXTRACTED: NA
DATE ANALYZED: 02/29/96

ACCESSION: 96B134

PARAMETER	SAMPLE (TON)	DUP. SAMPLE (TON)	RPD (%)	RPD LIMIT (%)
dor	ND	ND	0	20

EPA METHOD 130.2
TOTAL HARDNESS

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	NA
MATRIX:	WATER	DATE ANALYZED:	03/05/96

SAMPLE ID	CONTROL NO	RESULT (mg/L)	DILUTION FACTOR	MDL (mg/L)
MW01-S01	B134-01	3960	1	10
MW02-S01	B134-02	337	1	10
MW03-S01	B134-03	3320	1	10
MW05-S01	B134-04	2500	1	10
MW04-S01	B134-05	1880	1	10
MBLK1W	IPC001WB	ND	1	10

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 130.2
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: LCS1W/LCS1WD
CONTROL NO.: IPC001WL/C

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 03/05/96

ACCESSION: 96B134

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD %	QC LIMIT %	RPD LIMIT %
Total Hardness	ND	331.00	334.00	101	331.00	319.00	97	5	85-115	20

CKY

SAMPLE RECEIPT FORM

CONTROL NO.	96B134
CLIENT	OGDEN. ENVIRON.
PROJECT	BRANDY WINE

DATE	02-28-96
TIME	1110
RECIPIENT	I. PATEL

SAMPLE TRANSPORTATION TO CKY LABORATORY:	BY	ON(DATE)	AT(TIME)	FROM(SITE/CO.)	COMMENTS
PICKED-UP BY CKY COURIER					
DELIVERED BY CLIENT ✓					
SHIPPED/AIRBILL NO AMPM DEL. #402876 SEE THE RECEIPT.					

SAMPLE BATCH PACKAGING/SEALING UPON RECEIPT:	NO CONTAINER	✓ INTACT	DAMAGED	NOT SEALED	✓ SEALED

CONTAINER:	INSIDE TEMPERATURE: 3° C			CUSTODY SEAL /OTHER SEAL		LOCATION	NUMBER
2 COOLERS	PACKAGING	TYPE	SUFFICIENCY	✓ INTACT	DAMAGED	FRONT CLOSURE	2
BOX	INSULATION:		OK	NAME:	SEE COC	REAR CLOSURE	1
OTHER:	ICE/COOLANT:	REGULAR		DATE:			
	PACKING MATERIAL:	NONE		TIME:			

SAMPLE DOCUMENTATION/CHAIN-OF-CUSTODY(COC)	NONE	✓ HANDCARRIED	ENCLOSED	FAXED	SEALED

SAMPLE LOG-IN:	CRITERIA	COMMENTS	DISCREPANCY
SAMPLE CUSTODY SEAL	EVERY SAMPLE	NONE	
CONTAINER TYPE/MATERIAL	APPROPRIATE	OK	
SAMPLE AMOUNT	ENOUGH		
SAMPLE PRESERVATION/HOLDING TIME	SUFFICIENT		
HEADSPACE/BUBBLES	ZERO/NONE		
SAMPLE LABEL INFORMATION	SUFFICIENT		
CHAIN-OF-CUSTODY INFORMATION	SUFFICIENT		

SAMPLE INFO.:	SAMPLE ID ✓	DATE ✓	TIME ✓	SIGNATURE ✓	ANALYSES ✓	PRESERVATIVE ✓	CONTAINER ✓
INDIVIDUAL SAMPLE CONTAINER:		✓ NONE	PLASTIC BAG	CAN	OTHER(SPECIFY):		SEALED

SAMPLE NUMBER	CLIENT ID	DISCREPANCY	ACTION

CLIENT SERVICES COPY RECEIVED BY	Cleitus 2/28	DATE		TIME	

CKY INC., ANALYTICAL LABORATORIES, 630 Maple Ave., Torrance, Calif. 90503 Tel. (310) 618-8889 Fax: (310) 618-0818

C K Y incorporated
Analytical Laboratories

Date: 03-13-1996
CKY Batch No.: 96B134

Attn: Don Barrie

Ogden Environmental
5510 Morehouse Drive
San Diego, CA 92121

Subject: Laboratory Report
Project: Brandywine

Enclosed is the Laboratory report for samples received on 02/28/96. The samples were received in coolers with ice and intact; the chain-of-custody forms were properly filled out. The data reported include :

Sample ID	Control No.	Matrix	Analysis
MW01-S01	B134-01	Water	EPA 8010
			EPA 8020
			Metals
			Mercury
			MBAS
			Turbidity
			Alkalinity
			Sulfate
			Chloride
			Fluoride
			pH
			Conductivity
			TDS
			Color
			Odor
			Total Hardness
			Nitrate
MW02-S01	B134-02	Water	EPA 8010
			EPA 8020

630 Maple Ave., Torrance, Calif. 90503 • Telephone 310-618-8889 • Fax: 310-618-0818

Sample ID	Control No.	Matrix	Analysis
			Metals
			Mercury
			MBAS
			Turbidity
			Alkalinity
			Sulfate
			Chloride
			Fluoride
			pH
			Conductivity
			TDS
			Color
			Odor
			Total Hardness
			Nitrate
MW03-S01	B134-03	Water	EPA 8010
			EPA 8020
			Metals
			Mercury
			MBAS
			Turbidity
			Alkalinity
			Sulfate
			Chloride
			Fluoride
			pH
			Conductivity
			TDS
			Color
			Odor
			Total Hardness
			Nitrate
MW05-S01	B134-04	Water	EPA 8010
			EPA 8020
			Metals
			Mercury
			MBAS
			Turbidity
			Alkalinity
			Sulfate
			Chloride

Sample ID	Control No.	Matrix	Analysis
			Fluoride
			pH
			Conductivity
			TDS
			Color
			Odor
			Total Hardness
			Nitrate
MW04-S01	B134-05	Water	EPA 8010
			EPA 8020
			Metals
			Mercury
			MBAS
			Turbidity
			Alkalinity
			Sulfate
			Chloride
			Fluoride
			pH
			Conductivity
			TDS
			Color
			Odor
			Total Hardness
			Nitrate

The results are summarized on the following pages.

Please feel free to call if you have any questions concerning these results.

Sincerely yours,

Kam Y. Pang, Ph.D.
Laboratory Director

P.S. - All analyses requested for the above referenced project have been completed. Therefore, unless instructed, the remaining portions of the samples will be disposed after fifteen (15) days from the date of this report.

February 28, 1996

CLIENT: OGDEN

GENERAL MINERALS LIST

MBAS, Turbidity, Alkalinity, Sulfate, Chloride, Fluoride, pH, Electrical Conductivity, TDS, Color, Odor, Hardness, Nitrate.

Aside from CAM Metals (17 metals) client also requests the following elements: Calcium, Magnesium, Sodium and Potassium.

EPA METHOD 3005/6010
METALS BY ICP

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	03/01/96
SAMPLE ID:	MW01-S01	DATE ANALYZED:	03/04/96
CONTROL NO.:	B134-01	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

Element	Det Limit (ug/L)	RESULT (ug/L)
Antimony	60	ND
Arsenic	100	ND
Barium	10	284
Beryllium	5	ND
Cadmium	5	ND
Calcium	1000	791000
Chromium	10	67.7
Cobalt	10	16.4
Copper	10	51
Lead	100	ND
Magnesium	1000	481000
Molybdenum	50	73.9
Potassium	2000	40100
Nickel	20	37.5
Selenium	200	ND
Silver	10	ND
Sodium^	2000	1110000
Thallium	500	ND
Vanadium	10	115
Zinc	10	440

^ Analyzed on 03/05/96 at 2x dilution.

EPA METHOD 3005/6010
METALS BY ICP

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	03/01/96
SAMPLE ID:	MW02-S01	DATE ANALYZED:	03/04/96
CONTROL NO.:	B134-02	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

Element	Det Limit (ug/L)	RESULT (ug/L)
Antimony	60	ND
Arsenic	100	ND
Barium	10	37.8
Beryllium	5	ND
Cadmium	5	ND
Calcium	1000	79800
Chromium	10	ND
Cobalt	10	ND
Copper	10	ND
Lead	100	ND
Magnesium	1000	33400
Molybdenum	50	ND
Potassium	2000	3670
Nickel	20	ND
Selenium	200	ND
Silver	10	ND
Sodium^	2000	605000
Thallium	500	ND
Vanadium	10	29.1
Zinc	10	38.4

^ Analyzed on 03/05/96 at 2x dilution.

EPA METHOD 3005/6010
METALS BY ICP

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	03/01/96
SAMPLE ID:	MW03-S01	DATE ANALYZED:	03/04/96
CONTROL NO.:	B134-03	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

Element	Det Limit (ug/L)	RESULT (ug/L)
Antimony	60	ND
Arsenic	100	171
Barium	10	762
Beryllium	5	ND
Cadmium	5	ND
Calcium	1000	725000
Chromium	10	266
Cobalt	10	111
Copper	10	129
Lead	100	158
Magnesium	1000	366000
Molybdenum	50	ND
Potassium	2000	62700
Nickel	20	325
Selenium	200	ND
Silver	10	ND
Sodium^	10000	268000
Thallium	500	1440
Vanadium	10	647
Zinc	10	1290

^ Analyzed on 03/05/96 at 10x dilution.

EPA METHOD 3005/6010
METALS BY ICP

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	03/01/96
SAMPLE ID:	MW05-S01	DATE ANALYZED:	03/04/96
CONTROL NO.:	B134-04	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

Element	Det Limit (ug/L)	RESULT (ug/L)
Antimony	60	ND
Arsenic	100	303
Barium	10	1480
Beryllium	5	6.41
Cadmium	5	ND
Calcium	1000	519000
Chromium	10	701
Cobalt	10	160
Copper	10	255
Lead	100	230
Magnesium	1000	291000
Molybdenum	50	ND
Potassium	2000	114000
Nickel	20	182
Selenium	200	3590
Silver	10	ND
Sodium^	5000	1380000
Thallium	500	2540
Vanadium	10	1010
Zinc	10	4220

^ Analyzed on 03/05/96 at 5x dilution.

EPA METHOD 3005/6010
METALS BY ICP

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	03/01/96
SAMPLE ID:	MW04-S01	DATE ANALYZED:	03/04/96
CONTROL NO.:	B134-05	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

Element	Det Limit (ug/L)	RESULT (ug/L)
Antimony	60	ND
Arsenic	100	ND
Barium	10	196
Beryllium	5	ND
Cadmium	5	ND
Calcium	1000	433000
Chromium	10	54.3
Cobalt	10	36.9
Copper	10	30.1
Lead	100	ND
Magnesium	1000	195000
Molybdenum	50	ND
Potassium	2000	21400
Nickel	20	217
Selenium	200	ND
Silver	10	ND
Sodium^	5000	1620000
Thallium	500	ND
Vanadium	10	111
Zinc	10	482

^ Analyzed on 03/05/96 at 5x dilution.

EPA METHOD 3005/6010
METALS BY ICP

CLIENT:	Ogden Environmental	DATE COLLECTED:	NA
PROJECT:	Brandywine	DATE RECEIVED:	NA
BATCH NO.:	96B134	DATE EXTRACTED:	03/01/96
SAMPLE ID:	MBLK1W	DATE ANALYZED:	03/04/96
CONTROL NO.:	IPC001WB	MATRIX:	WATER
% MOISTURE:	NA	DILUTION FACTOR:	1

Element	Det Limit (ug/L)	RESULT (ug/L)
Antimony	60	ND
Arsenic	100	ND
Barium	10	ND
Beryllium	5	ND
Cadmium	5	ND
Calcium	1000	ND
Chromium	10	ND
Cobalt	10	ND
Copper	10	ND
Lead	100	ND
Magnesium	1000	ND
Molybdenum	50	ND
Potassium	2000	ND
Nickel	20	ND
Selenium	200	ND
Silver	10	ND
Sodium^	1000	ND
Thallium	500	ND
Vanadium	10	ND
Zinc	10	ND

^ Analyzed on 03/05/96

CKY QUALITY CONTROL DATA
DUPLICATE SAMPLE ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 3005/6010
MATRIX: WATER

BATCH NO.: 96B134
SAMPLE ID: PW-L1/2/3
CONTROL NO.: 0202-02

DATE RECEIVED: NA
DATE EXTRACTED: 03/01/96
DATE ANALYZED: 03/04/96

ACCESSION: N960202 96B134

PARAMETER	SAMPLE RESULT (ug/L)	DUP SAMPLE RESULT (ug/L)	RPD RESULT (%)
Antimony	ND	ND	0
Arsenic	ND	ND	0
Barium	60.2	61.1	1
Beryllium	ND	ND	0
Cadmium	ND	ND	0
Calcium	30300	31000	2
Chromium	ND	ND	0
Cobalt	ND	ND	0
Copper	64	63.7	0
Lead	ND	ND	0
Magnesium	5250	5340	2
Molybdenum	ND	ND	0
Potassium	44900	43000	4
Nickel	21	39.9	62+
Selenium	ND	ND	0
Silver	ND	ND	0
Sodium^	178000	171000	4
Thallium	ND	ND	0
Vanadium	ND	ND	0
Zinc	601	612	2
QC LIMIT:			20

^ Analyzed on 03/05/96
\+ Outside the QC limit

CKY QUALITY CONTROL DATA
SPIKE ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 3005/6010
MATRIX: WATER

==========

BATCH NO.: 96B134 DATE RECEIVED: NA
SAMPLE ID: PW-L1/2/3 DATE EXTRACTED: 03/01/96
CONTROL NO.: 0202-02 DATE ANALYZED: 03/04/96

ACCESSION: N960202 96B134

PARAMETER	SAMPLE RESULT (ug/L)	SPIKE CONC. (ug/L)	SPIKE RESULT (ug/L)	SPIKE RECRY. (%)
Antimony	ND	5000	5060	101
Arsenic	ND	1000	1120	112
Barium	60.2	1000	1020	96
Beryllium	ND	1000	981	98
Cadmium	ND	1000	1020	102
Calcium	30300	50000	82400	104
Chromium	ND	1000	1010	101
Cobalt	ND	1000	1010	101
Copper	64	1000	1050	99
Lead	ND	1000	1020	102
Magnesium	5250	50000	52900	95
Molybdenum	ND	1000	1010	101
Nickel	21	1000	1040	102
Potassium	40100	50000	87670	95
Selenium	ND	1000	997	100
Silver	ND	1000	1040	104
Sodium^	178000	50000	213000	71
Thallium	ND	1000	918	92
Vanadium	ND	1000	1000	100
Zinc	601	1000	1640	103

QC LIMIT: 75-125
Analyzed on 03/05/96

CKY QUALITY CONTROL DATA
LABORATORY CONTROL SAMPLE ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 3005/6010
MATRIX: WATER

BATCH NO.: 96B134
SAMPLE ID: LCS1W/LCS1WD
CONTROL NO.: IPC001WL/C

DATE RECEIVED: NA
DATE EXTRACTED: 03/01/96
DATE ANALYZED: 03/04/96

ACCESSION: N960202 96B134

PARAMETER	SAMPLE CONC (ug/L)	SPIKE ADDED (ug/L)	LCS CONC (ug/L)	LCS % REC	SPIKE ADDED (ug/L)	LCSD CONC (ug/L)	LCSD % REC	% RPD
Antimony	ND	5000	5090	102	5000	4909	98	4
Arsenic	ND	1000	1010	101	1000	1008	101	0
Barium	ND	1000	1012	101	1000	978	98	3
Beryllium	ND	1000	1032	103	1000	987	99	5
Cadmium	ND	1000	999	100	1000	946	95	5
Calcium	ND	50000	52316	105	50000	48247	96	8
Chromium	ND	1000	1057	106	1000	986	99	7
Cobalt	ND	1000	1032	103	1000	983	98	5
Copper	ND	1000	946	95	1000	939	94	1
Lead	ND	1000	991	99	1000	1013	101	2
Magnesium	ND	50000	49468	99	50000	48321	97	2
Molybdenum	ND	1000	1040	104	1000	990	99	5
Potassium	ND	50000	46577	93	50000	46542	93	0
Nickel	ND	1000	1031	103	1000	967	97	6
Selenium	ND	1000	1073	107	1000	983	98	9
Silver	ND	1000	1013	101	1000	970	97	4
Sodium^	ND	50000	46854	94	50000	47138	94	1
Thallium	ND	1000	934	93	1000	987	99	5
Vanadium	ND	1000	1036	104	1000	976	98	6
Zinc	ND	1000	1020	102	1000	976	98	4
QC LIMIT:				75-125			75-125	20

^ Analyzed on 03/05/96

EPA METHOD 7470
MERCURY BY COLD VAPOR

CLIENT:	Ogden Environmental	DATE COLLECTED:	02/27/96
PROJECT:	Brandywine	DATE RECEIVED:	02/28/96
BATCH NO.:	96B134	DATE EXTRACTED:	03/07/96
MATRIX:	WATER	DATE ANALYZED:	03/07/96

SAMPLE ID	CONTROL NO	RESULT (ug/L)	DILUTION FACTOR	MDL (ug/L)
MW01-S01	B134-01	ND	1	.2
MW02-S01	B134-02	ND	1	.2
MW03-S01	B134-03	.54	1	.2
MW05-S01	B134-04	5.13	1	.2
MW04-S01	B134-05	.28	1	.2
MBLK1W	HGC004WB	ND	1	.2

MDL: Method Detection Limit

CKY QUALITY CONTROL DATA
DUPLICATE ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 7470
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: HA0003S0001EB
CONTROL NO.: C004-01

DATE RECEIVED: NA
DATE EXTRACTED: 03/07/96
DATE ANALYZED: 03/07/96

ACCESSION: 96B121 96B134 96C004 96C011

PARAMETER	SAMPLE (ug/L)	DUP. SAMPLE (ug/L)	RPD (%)	RPD LIMIT (%)
Mercury	ND	ND	0	20

CKY QUALITY CONTROL DATA
MS ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 7470
MATRIX: WATER
% MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: HA0003SO001EB
CONTROL NO.: C004-01

DATE RECEIVED: NA
DATE EXTRACTED: 03/07/96
DATE ANALYZED: 03/07/96

ACCESSION: 96B121 96B134 96C004 96C011

PARAMETER	SMPL RSLT (ug/L)	SPIKE AMT (ug/L)	MS RSLT (ug/L)	MS % REC	QC LIMIT (%)
Mercury	ND	5.00	4.76	95	75-125

CKY QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: Ogden Environmental
PROJECT: Brandywine
METHOD: EPA 7470
MATRIX: WATER
MOISTURE: NA

BATCH NO.: 96B134
SAMPLE ID: LCS1W
CONTROL NO.: HGC004WL

DATE RECEIVED: NA
DATE EXTRACTED: 03/07/96
DATE ANALYZED: 03/07/96

ACCESSION: 96B121 96B134 96C004 96C011

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	LCS RSLT (ug/L)	LCS % REC	QC LIMIT (%)
Mercury	ND	5.00	5.05	101	75-125

96B134 A1 / R6C3

CHAIN OF CUSTODY RECORD
REQUEST FOR ANALYSIS

CLIENT NAME: Ogden Environmental
ADDRESS: 5910 Morehouse Dr
San Diego, CA 92121
PHONE NO (619) 458-9044 FAX NO (619) 458-0943
PROJECT NAME: Brandywine
SEND REPORT TO: Don Barrie

DATE: 2-27-96
PAGE 1 OF

CKY incorporated
Analytical Laboratories
630 Maple Ave.
Torrance, Calif. 90508
Tel: 310-618-8889
Fax: 310-618-0818

SAMPLER NAME/SIGNATURE: M. Porter M. Porter

TURN AROUND TIME: NORMAL ☐ RUSH ☐

	SAMPLE NUMBER	SAMPLING DATE/TIME		PRESERVATIVE	CONTAINER SIZE/TYPE	SAMPLE DESCRIPTION WATER	SOIL	OTHER	418.1	M8015	8010/601	8020/602	8080/608	8240/624	8270/625	CAM Metals	8010/8020	Gen. Min.	Nitrate?
1	MW01-S01	2-27-95	1600			X										1	3	2	1
2	MW02-S01	2-27-95	1615			X										1	3	2	1
3	MW03-S01	2-27-95	1745			X										1	3	2	1
4	MW05-S01	2-27-95	1900			X										1	3	2	1
5	MW04-S01	2-27-95	1930			X										1	3	2	1

COMMENTS: Metals in 1x1l poly w/ HNO3
8010/8020 in 3x40ml VOA
Gen Min in 2x1l poly - unpreserved
Nitrate? in 1x 500ml poly in H2SO4
each sample

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:
M Porter	2-27-96	[illegible]	2/28/96	[illegible]	2/28/96	[illegible]	2/28/96
Company: Ogden	Time: 2045	Company: [illegible]	Time: 820	Company: [illegible]	Time: 1110	Company: CKY	Time: 1110.

Storage/Disposal of Samples: Sample will be stored at CKY for 30 days at no charge and at $10/sample/month thereafter. Disposal of sample by the Laboratory will be charged at $10/sample.

T=3C9

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

LABORATORY REPORT FORM

Laboratory Name: CKY, Incorporated

Address: 630 Maple Avenue, Torrance, CA 90503

Telephone (310) 618-8889

Laboratory Certification (ELAP) No.: 1111 Expiration Date: 02/29/96

Laboratory Director's Name (Print): Kam Y. Pang, Ph.D.

Laboratory Director's Signature:

Client: Ogden Environmental
Project No.: Chula Vista

Analytical Method: (Circle One)	EPA 502.1	EPA 503.1	EPA 502.2	EPA 524.1
				EPA 524.2
	EPA 601	EPA 602		EPA 624
	EPA 8010	EPA 8020	EPA 8021	EPA 8240
				EPA 8260
Other:				
Date Sampled:	02/10/96	02/10/96		
Date Received:	02/12/96	02/12/96		
Date Reported:	02/12/96 to 02/13/96	02/12/96 to 02/14/96		
Sample Matrix:	Soil	Soil		
Extraction Method:				
Extraction Material:				

Chain of Custody Received: Yes No
Sample Condition

--Sample Headspace Description (%):
--Sample Container Materials:

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED			02-12-96		
DATE EXTRACTED			NA		
DILUTION FACTOR			1		
LAB SAMPLE I.D.			B042-01		
CLIENT SAMPLE I.D.			BWB505S01D10.0		
COMPOUND (b)	MDL	MB	01		
Bromobenzene					
Bromodichloromethane					
Bromoform					
Bromomethane					
Carbon tetrachloride					
Chloroethane					
Chloroform					
1-Chlorohexane					
Chloromethane					
Dibromochloromethane					
Dibromomethane					
Dichlorodifluoromethane					
1,1-Dichloroethane (1,1-DCA)					
1,2-Dichloroethane (1,2-DCA)					
1,1-Dichloroethylene (1,1-DCE)					
trans-1,2-Dichloroethylene					
Dichloromethane					
1,2-Dichloropropane					
cis-1,3-Dichloropropylene					
trans-1,3-Dichloropropylene					
1,1,1,2-Tetrachloroethane					
1,1,2,2-Tetrachloroethane					
Tetrachloroethylene (PCE)					
1,1,1-Trichloroethane (111-TCA)					
1,1,2-Trichloroethane (112-TCA)					
Trichloroethylene (TCE)					
1,2,3-Trichloropropane					
Trichlorofluoromethane					
Vinyl chloride					
Benzene	5.49		ND		
Chlorobenzene					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
Ethyl benzene	5.49		ND		
Toluene	5.49		ND		

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB	01		
m,p–Xylenes					
Total Xylenes	16.5		ND		
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene					
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene					
1,3–Dichloropropane					
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)					
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60–140		65		

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analtical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED			02-12-96		
DATE EXTRACTED			NA		
DILUTION FACTOR			1		
LAB SAMPLE I.D.			B042-02		
CLIENT SAMPLE I.D.			BWB505040055		
COMPOUND (b)	MDL	MB	02		
Bromobenzene					
Bromodichloromethane					
Bromoform					
Bromomethane					
Carbon tetrachloride					
Chloroethane					
Chloroform					
1-Chlorohexane					
Chloromethane					
Dibromochloromethane					
Dibromomethane					
Dichlorodifluoromethane					
1,1-Dichloroethane (1,1-DCA)					
1,2-Dichloroethane (1,2-DCA)					
1,1-Dichloroethylene (1,1-DCE)					
trans-1,2-Dichloroethylene					
Dichloromethane					
1,2-Dichloropropane					
cis-1,3-Dichloropropylene					
trans-1,3-Dichloropropylene					
1,1,1,2-Tetrachloroethane					
1,1,2,2-Tetrachloroethane					
Tetrachloroethylene (PCE)					
1,1,1-Trichloroethane (111-TCA)					
1,1,2-Trichloroethane (112-TCA)					
Trichloroethylene (TCE)					
1,2,3-Trichloropropane					
Trichlorofluoromethane					
Vinyl chloride					
Benzene	6.5		ND		
Chlorobenzene					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
Ethyl benzene	6.5		ND		
Toluene	6.5		ND		

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB	02		
m,p–Xylenes					
Total Xylenes	19.5		ND		
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene					
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene					
1,3–Dichloropropane					
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)					
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60–140		65		

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analytical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED			02-12-96	02-14-96	
DATE EXTRACTED			NA	NA	
DILUTION FACTOR			1	1	
LAB SAMPLE I.D.			B042-03	B042-03R	
CLIENT SAMPLE I.D.			BWB505S05D91	BWB505S05D91	
COMPOUND (b)	MDL	MB	03	03R	
Bromobenzene					
Bromodichloromethane					
Bromoform					
Bromomethane					
Carbon tetrachloride					
Chloroethane					
Chloroform					
1-Chlorohexane					
Chloromethane					
Dibromochloromethane					
Dibromomethane					
Dichlorodifluoromethane					
1,1-Dichloroethane (1,1-DCA)					
1,2-Dichloroethane (1,2-DCA)					
1,1-Dichloroethylene (1,1-DCE)					
trans-1,2-Dichloroethylene					
Dichloromethane					
1,2-Dichloropropane					
cis-1,3-Dichloropropylene					
trans-1,3-Dichloropropylene					
1,1,1,2-Tetrachloroethane					
1,1,2,2-Tetrachloroethane					
Tetrachloroethylene (PCE)					
1,1,1-Trichloroethane (111-TCA)					
1,1,2-Trichloroethane (112-TCA)					
Trichloroethylene (TCE)					
1,2,3-Trichloropropane					
Trichlorofluoromethane					
Vinyl chloride					
Benzene	6.26		ND	ND	
Chlorobenzene					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
Ethyl benzene	6.26		ND	ND	
Toluene	6.26		ND	ND	

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB	03	03R	
m,p–Xylenes					
Total Xylenes	18.8		ND	ND	
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene					
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene					
1,3–Dichloropropane					
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)					
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60–140		40+	50+	

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analytical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

+ Outside QC limits

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED			02-12-96		
DATE EXTRACTED			NA		
DILUTION FACTOR			1		
LAB SAMPLE I.D.			B042-04		
CLIENT SAMPLE I.D.			BWB504SOIDC.5		
COMPOUND (b)	MDL	MB	04		
Bromobenzene					
Bromodichloromethane					
Bromoform					
Bromomethane					
Carbon tetrachloride					
Chloroethane					
Chloroform					
1-Chlorohexane					
Chloromethane					
Dibromochloromethane					
Dibromomethane					
Dichlorodifluoromethane					
1,1-Dichloroethane (1,1-DCA)					
1,2-Dichloroethane (1,2-DCA)					
1,1-Dichloroethylene (1,1-DCE)					
trans-1,2-Dichloroethylene					
Dichloromethane					
1,2-Dichloropropane					
cis-1,3-Dichloropropylene					
trans-1,3-Dichloropropylene					
1,1,1,2-Tetrachloroethane					
1,1,2,2-Tetrachloroethane					
Tetrachloroethylene (PCE)					
1,1,1-Trichloroethane (111-TCA)					
1,1,2-Trichloroethane (112-TCA)					
Trichloroethylene (TCE)					
1,2,3-Trichloropropane					
Trichlorofluoromethane					
Vinyl chloride					
Benzene	5.35		ND		
Chlorobenzene					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
Ethyl benzene	5.35		ND		
Toluene	5.35		ND		

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB	04		
m,p–Xylenes					
Total Xylenes	16.1		ND		
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene					
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene					
1,3–Dichloropropane					
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)					
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60–140		66		

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analytical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED			02-13-96		
DATE EXTRACTED			NA		
DILUTION FACTOR			1		
LAB SAMPLE I.D.			B042-05		
CLIENT SAMPLE I.D.			BNB5041021176.5		
COMPOUND (b)	MDL	MB	05		
Bromobenzene					
Bromodichloromethane					
Bromoform					
Bromomethane					
Carbon tetrachloride					
Chloroethane					
Chloroform					
1-Chlorohexane					
Chloromethane					
Dibromochloromethane					
Dibromomethane					
Dichlorodifluoromethane					
1,1-Dichloroethane (1,1-DCA)					
1,2-Dichloroethane (1,2-DCA)					
1,1-Dichloroethylene (1,1-DCE)					
trans-1,2-Dichloroethylene					
Dichloromethane					
1,2-Dichloropropane					
cis-1,3-Dichloropropylene					
trans-1,3-Dichloropropylene					
1,1,1,2-Tetrachloroethane					
1,1,2,2-Tetrachloroethane					
Tetrachloroethylene (PCE)					
1,1,1-Trichloroethane (111-TCA)					
1,1,2-Trichloroethane (112-TCA)					
Trichloroethylene (TCE)					
1,2,3-Trichloropropane					
Trichlorofluoromethane					
Vinyl chloride					
Benzene	6.4		ND		
Chlorobenzene					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
Ethyl benzene	6.4		ND		
Toluene	6.4		ND		

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB	05		
m,p–Xylenes					
Total Xylenes	19.2		ND		
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene					
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene					
1,3–Dichloropropane					
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)					
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60–140		65		

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analytical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED			02-13-96		
DATE EXTRACTED			NA		
DILUTION FACTOR			1		
LAB SAMPLE I.D.			B042-06		
CLIENT SAMPLE I.D.			BWB504S03D06.0		
COMPOUND (b)	MDL	MB	06		
Bromobenzene					
Bromodichloromethane					
Bromoform					
Bromomethane					
Carbon tetrachloride					
Chloroethane					
Chloroform					
1-Chlorohexane					
Chloromethane					
Dibromochloromethane					
Dibromomethane					
Dichlorodifluoromethane					
1,1-Dichloroethane (1,1-DCA)					
1,2-Dichloroethane (1,2-DCA)					
1,1-Dichloroethylene (1,1-DCE)					
trans-1,2-Dichloroethylene					
Dichloromethane					
1,2-Dichloropropane					
cis-1,3-Dichloropropylene					
trans-1,3-Dichloropropylene					
1,1,1,2-Tetrachloroethane					
1,1,2,2-Tetrachloroethane					
Tetrachloroethylene (PCE)					
1,1,1-Trichloroethane (111-TCA)					
1,1,2-Trichloroethane (112-TCA)					
Trichloroethylene (TCE)					
1,2,3-Trichloropropane					
Trichlorofluoromethane					
Vinyl chloride					
Benzene	6.81		ND		
Chlorobenzene					
1,2-Dichlorobenzene					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
Ethyl benzene	6.81		ND		
Toluene	6.81		ND		

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB	06		
m,p–Xylenes					
Total Xylenes	20.4		ND		
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene					
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene					
1,3–Dichloropropane					
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)					
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60-140		66		

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analitical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED		02-12-96	02-14-96		
DATE EXTRACTED		NA	NA		
DILUTION FACTOR		1	1		
LAB SAMPLE I.D.		VAL587B	VAL597B		
CLIENT SAMPLE I.D.		–	–		
COMPOUND (b)	MDL	MB1	MB2		
Bromobenzene					
Bromodichloromethane					
Bromoform					
Bromomethane					
Carbon tetrachloride					
Chloroethane					
Chloroform					
1–Chlorohexane					
Chloromethane					
Dibromochloromethane					
Dibromomethane					
Dichlorodifluoromethane					
1,1–Dichloroethane (1,1–DCA)					
1,2–Dichloroethane (1,2–DCA)					
1,1–Dichloroethylene (1,1–DCE)					
trans–1,2–Dichloroethylene					
Dichloromethane					
1,2–Dichloropropane					
cis–1,3–Dichloropropylene					
trans–1,3–Dichloropropylene					
1,1,1,2–Tetrachloroethane					
1,1,2,2–Tetrachloroethane					
Tetrachloroethylene (PCE)					
1,1,1–Trichloroethane (111–TCA)					
1,1,2–Trichloroethane (112–TCA)					
Trichloroethylene (TCE)					
1,2,3–Trichloropropane					
Trichlorofluoromethane					
Vinyl chloride					
Benzene	5	ND	ND		
Chlorobenzene					
1,2–Dichlorobenzene					
1,3–Dichlorobenzene					
1,4–Dichlorobenzene					
Ethyl benzene	5	ND	ND		
Toluene	5	ND	ND		

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB1	MB2		
m,p–Xylenes					
Total Xylenes	15	ND	ND		
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene					
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene					
1,3–Dichloropropane					
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)					
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60-140	71	65		

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analitical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

QA/QC REPORT

Reporting Unit (Circle One): (ug/kg) ug/L

I. Matrix Spike (MS) Matrix Spike Duplicate (MSD)

DATE PERFORMED: 02-12-96
BATCH: 96B042
LAB SAMPLE I.D.: B042-01

ANALYTE	SPK CONC	MS	%MS	MSD	% MSD	RPD	ACP %MS	ACP RPD
1,1-Dichloroethene	274	284	103	277	101	3	60-140	40
Trichloroethene	274	282	103	280	102	0	60-140	40
Chlorobenzene	274	302	110	302	110	0	60-140	40

II. Laboratory Quality Control Check Sample

DATE PERFORMED: 02-12-96
BATCH: 96B042
LAB SAMPLE I.D.: VAL587L

ANALYTE	SPK CONC	RESULT	% RECOVERY	ACP %
1,1-Dichloroethene	100.00	123.00	123	80-120
Trichloroethene	100.00	119.00	119	80-120
Chlorobenzene	100.00	121.00	121	80-120
				80-120
				80-120
				80-120
				80-120

ANALYST: Rong Ma DATE: 2/22/96

NOTE: CKY Lab QC limits for LCS/LCSD recoveries: 70-125%

QA/QC REPORT

Reporting Unit (Circle One): (ug/kg) ug/L

I. Matrix Spike (MS) Matrix Spike Duplicate (MSD)

DATE PERFORMED: _____
BATCH: _____
LAB SAMPLE I.D.:

ANALYTE	SPK CONC	MS	%MS	MSD	% MSD	RPD	ACP %MS	ACP RPD

II. Laboratory Quality Control Check Sample

DATE PERFORMED: 02-12-96
BATCH: 96B042
LAB SAMPLE I.D.: VAL587C

ANALYTE	SPK CONC	RESULT	% RECOVERY	ACP %
1,1-Dichloroethene	100.00	122.00	122	80–120
Trichloroethene	100.00	124.00	124	80–120
Chlorobenzene	100.00	119.00	119	80–120
				80–120
				80–120
				80–120
				80–120

ANALYST: Rong Ma DATE: 2/22/96

NOTE: CKY Lab QC limits for LCS/LCSD recoveries: 70-125%

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED			02-12-96		
DATE EXTRACTED			NA		
DILUTION FACTOR			1		
LAB SAMPLE I.D.			B042-01		
CLIENT SAMPLE I.D.			BWB5055010.0		
COMPOUND (b)	MDL	MB	01		
Bromobenzene					
Bromodichloromethane					
Bromoform	5.49		ND		
Bromomethane	27.4		ND		
Carbon tetrachloride	5.49		ND		
Chloroethane	27.4		ND		
Chloroform	5.49		ND		
1-Chlorohexane					
Chloromethane	27.4		ND		
Dibromochloromethane	5.49		ND		
Dibromomethane					
Dichlorodifluoromethane	27.4		ND		
1,1-Dichloroethane (1,1-DCA)	5.49		ND		
1,2-Dichloroethane (1,2-DCA)	5.49		ND		
1,1-Dichloroethylene (1,1-DCE)	5.49		ND		
trans-1,2-Dichloroethylene	5.49		ND		
Dichloromethane	27.4		ND		
1,2-Dichloropropane	5.49		ND		
cis-1,3-Dichloropropylene	5.49		ND		
trans-1,3-Dichloropropylene					
1,1,1,2-Tetrachloroethane	5.49		ND		
1,1,2,2-Tetrachloroethane	5.49		ND		
Tetrachloroethylene (PCE)	5.49		ND		
1,1,1-Trichloroethane (111-TCA)	5.49		ND		
1,1,2-Trichloroethane (112-TCA)	5.49		ND		
Trichloroethylene (TCE)	5.49		ND		
1,2,3-Trichloropropane					
Trichlorofluoromethane	5.49		ND		
Vinyl chloride	27.4		ND		
Benzene					
Chlorobenzene	5.49		ND		
1,2-Dichlorobenzene	5.49		ND		
1,3-Dichlorobenzene	5.49		ND		
1,4-Dichlorobenzene	5.49		ND		
Ethyl benzene					
Toluene					

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB	01		
m,p–Xylenes					
Benzylchloride	5.49		ND		
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene	5.49		ND		
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene	5.49		ND		
1,3–Dichloropropane	5.49		ND		
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)	5.49		ND		
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60–140		108		

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analytical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x POL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED			02-12-96		
DATE EXTRACTED			NA		
DILUTION FACTOR			1		
LAB SAMPLE I.D.			B042-02		
CLIENT SAMPLE I.D.			SWB505304085.5		
COMPOUND (b)	MDL	MB	02		
Bromobenzene					
Bromodichloromethane					
Bromoform	6.5		ND		
Bromomethane	32.5		ND		
Carbon tetrachloride	6.5		ND		
Chloroethane	32.5		ND		
Chloroform	6.5		ND		
1-Chlorohexane					
Chloromethane	32.5		ND		
Dibromochloromethane	6.5		ND		
Dibromomethane					
Dichlorodifluoromethane	32.5		ND		
1,1-Dichloroethane (1,1-DCA)	6.5		ND		
1,2-Dichloroethane (1,2-DCA)	6.5		ND		
1,1-Dichloroethylene (1,1-DCE)	6.5		ND		
trans-1,2-Dichloroethylene	6.5		ND		
Dichloromethane	32.5		ND		
1,2-Dichloropropane	6.5		ND		
cis-1,3-Dichloropropylene	6.5		ND		
trans-1,3-Dichloropropylene					
1,1,1,2-Tetrachloroethane	6.5		ND		
1,1,2,2-Tetrachloroethane	6.5		ND		
Tetrachloroethylene (PCE)	6.5		ND		
1,1,1-Trichloroethane (111-TCA)	6.5		ND		
1,1,2-Trichloroethane (112-TCA)	6.5		ND		
Trichloroethylene (TCE)	6.5		ND		
1,2,3-Trichloropropane					
Trichlorofluoromethane	6.5		ND		
Vinyl chloride	32.5		ND		
Benzene					
Chlorobenzene	6.5		ND		
1,2-Dichlorobenzene	6.5		ND		
1,3-Dichlorobenzene	6.5		ND		
1,4-Dichlorobenzene	6.5		ND		
Ethyl benzene					
Toluene					

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB	02		
m,p–Xylenes					
Benzylchloride	6.5		ND		
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene	6.5		ND		
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene	6.5		ND		
1,3–Dichloropropane	6.5		ND		
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)	6.5		ND		
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60–140		108		

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analytical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED			02-12-96		
DATE EXTRACTED			NA		
DILUTION FACTOR			1		
LAB SAMPLE I.D.			B042-03		
CLIENT SAMPLE I.D.			BWB505505D91		
COMPOUND (b)	MDL	MB	03		
Bromobenzene					
Bromodichloromethane					
Bromoform	6.26		ND		
Bromomethane	31.3		ND		
Carbon tetrachloride	6.26		ND		
Chloroethane	31.3		ND		
Chloroform	6.26		ND		
1-Chlorohexane					
Chloromethane	31.3		ND		
Dibromochloromethane	6.26		ND		
Dibromomethane					
Dichlorodifluoromethane	31.3		ND		
1,1-Dichloroethane (1,1-DCA)	6.26		ND		
1,2-Dichloroethane (1,2-DCA)	6.26		ND		
1,1-Dichloroethylene (1,1-DCE)	6.26		ND		
trans-1,2-Dichloroethylene	6.26		ND		
Dichloromethane	31.3		ND		
1,2-Dichloropropane	6.26		ND		
cis-1,3-Dichloropropylene	6.26		ND		
trans-1,3-Dichloropropylene					
1,1,1,2-Tetrachloroethane	6.26		ND		
1,1,2,2-Tetrachloroethane	6.26		ND		
Tetrachloroethylene (PCE)	6.26		ND		
1,1,1-Trichloroethane (111-TCA)	6.26		ND		
1,1,2-Trichloroethane (112-TCA)	6.26		ND		
Trichloroethylene (TCE)	6.26		ND		
1,2,3-Trichloropropane					
Trichlorofluoromethane	6.26		ND		
Vinyl chloride	31.3		ND		
Benzene					
Chlorobenzene	6.26		ND		
1,2-Dichlorobenzene	6.26		ND		
1,3-Dichlorobenzene	6.26		ND		
1,4-Dichlorobenzene	6.26		ND		
Ethyl benzene					
Toluene					

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB	03		
m,p–Xylenes					
Benzylchloride	6.26		ND		
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene	6.26		ND		
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene	6.26		ND		
1,3–Dichloropropane	6.26		ND		
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)	6.26		ND		
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60–140		66		

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analitical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED			02-12-96		
DATE EXTRACTED			NA		
DILUTION FACTOR			1		
LAB SAMPLE I.D.			B042-04		
CLIENT SAMPLE I.D.			BNB504SOIDC6.5		
COMPOUND (b)	MDL	MB	04		
Bromobenzene					
Bromodichloromethane					
Bromoform	5.35		ND		
Bromomethane	26.8		ND		
Carbon tetrachloride	5.35		ND		
Chloroethane	26.8		ND		
Chloroform	5.35		ND		
1-Chlorohexane					
Chloromethane	26.8		ND		
Dibromochloromethane	5.35		ND		
Dibromomethane					
Dichlorodifluoromethane	26.8		ND		
1,1-Dichloroethane (1,1-DCA)	5.35		ND		
1,2-Dichloroethane (1,2-DCA)	5.35		ND		
1,1-Dichloroethylene (1,1-DCE)	5.35		ND		
trans-1,2-Dichloroethylene	5.35		ND		
Dichloromethane	26.8		ND		
1,2-Dichloropropane	5.35		ND		
cis-1,3-Dichloropropylene	5.35		ND		
trans-1,3-Dichloropropylene					
1,1,1,2-Tetrachloroethane	5.35		ND		
1,1,2,2-Tetrachloroethane	5.35		ND		
Tetrachloroethylene (PCE)	5.35		ND		
1,1,1-Trichloroethane (111-TCA)	5.35		ND		
1,1,2-Trichloroethane (112-TCA)	5.35		ND		
Trichloroethylene (TCE)	5.35		ND		
1,2,3-Trichloropropane					
Trichlorofluoromethane	5.35		ND		
Vinyl chloride	26.8		ND		
Benzene					
Chlorobenzene	5.35		ND		
1,2-Dichlorobenzene	5.35		ND		
1,3-Dichlorobenzene	5.35		ND		
1,4-Dichlorobenzene	5.35		ND		
Ethyl benzene					
Toluene					

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB	04		
m,p–Xylenes					
Benzylchloride	5.35		ND		
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene	5.35		ND		
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene	5.35		ND		
1,3–Dichloropropane	5.35		ND		
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)	5.35		ND		
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60–140		104		

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analytical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED			02-13-96		
DATE EXTRACTED			NA		
DILUTION FACTOR			1		
LAB SAMPLE I.D.			B042-05		
CLIENT SAMPLE I.D.			BWB5045202TC.5		
COMPOUND (b)	MDL	MB	05		
Bromobenzene					
Bromodichloromethane					
Bromoform	6.4		ND		
Bromomethane	32		ND		
Carbon tetrachloride	6.4		ND		
Chloroethane	32		ND		
Chloroform	6.4		ND		
1-Chlorohexane					
Chloromethane	32		ND		
Dibromochloromethane	6.4		ND		
Dibromomethane					
Dichlorodifluoromethane	32		ND		
1,1-Dichloroethane (1,1-DCA)	6.4		ND		
1,2-Dichloroethane (1,2-DCA)	6.4		ND		
1,1-Dichloroethylene (1,1-DCE)	6.4		ND		
trans-1,2-Dichloroethylene	6.4		ND		
Dichloromethane	32		ND		
1,2-Dichloropropane	6.4		ND		
cis-1,3-Dichloropropylene	6.4		ND		
trans-1,3-Dichloropropylene					
1,1,1,2-Tetrachloroethane	6.4		ND		
1,1,2,2-Tetrachloroethane	6.4		ND		
Tetrachloroethylene (PCE)	6.4		ND		
1,1,1-Trichloroethane (111-TCA)	6.4		ND		
1,1,2-Trichloroethane (112-TCA)	6.4		ND		
Trichloroethylene (TCE)	6.4		ND		
1,2,3-Trichloropropane					
Trichlorofluoromethane	6.4		ND		
Vinyl chloride	32		ND		
Benzene					
Chlorobenzene	6.4		ND		
1,2-Dichlorobenzene	6.4		ND		
1,3-Dichlorobenzene	6.4		ND		
1,4-Dichlorobenzene	6.4		ND		
Ethyl benzene					
Toluene					

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB	05		
m,p–Xylenes					
Benzylchloride	6.4		ND		
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene	6.4		ND		
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene	6.4		ND		
1,3–Dichloropropane	6.4		ND		
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)	6.4		ND		
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60-140		110		

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analytical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED			02-13-96		
DATE EXTRACTED			NA		
DILUTION FACTOR			1		
LAB SAMPLE I.D.			8042-06		
CLIENT SAMPLE I.D.			BNB5045033026.0		
COMPOUND (b)	MDL	MB	06		
Bromobenzene					
Bromodichloromethane					
Bromoform	6.81		ND		
Bromomethane	34.1		ND		
Carbon tetrachloride	6.81		ND		
Chloroethane	34.1		ND		
Chloroform	6.81		ND		
1-Chlorohexane					
Chloromethane	34.1		ND		
Dibromochloromethane	6.81		ND		
Dibromomethane					
Dichlorodifluoromethane	34.1		ND		
1,1-Dichloroethane (1,1-DCA)	6.81		15		
1,2-Dichloroethane (1,2-DCA)	6.81		ND		
1,1-Dichloroethylene (1,1-DCE)	6.81		ND		
trans-1,2-Dichloroethylene	6.81		ND		
Dichloromethane	34.1		ND		
1,2-Dichloropropane	6.81		ND		
cis-1,3-Dichloropropylene	6.81		ND		
trans-1,3-Dichloropropylene					
1,1,1,2-Tetrachloroethane	6.81		ND		
1,1,2,2-Tetrachloroethane	6.81		ND		
Tetrachloroethylene (PCE)	6.81		11		
1,1,1-Trichloroethane (111-TCA)	6.81		ND		
1,1,2-Trichloroethane (112-TCA)	6.81		12		
Trichloroethylene (TCE)	6.81		240		
1,2,3-Trichloropropane					
Trichlorofluoromethane	6.81		ND		
Vinyl chloride	34.1		ND		
Benzene					
Chlorobenzene	6.81		ND		
1,2-Dichlorobenzene	6.81		9.0		
1,3-Dichlorobenzene	6.81		ND		
1,4-Dichlorobenzene	6.81		12		
Ethyl benzene					
Toluene					

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MB	06		
m,p–Xylenes					
Benzylchloride	6.81		ND		
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene	6.81		ND		
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene	6.81		ND		
1,3–Dichloropropane	6.81		ND		
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)	6.81		ND		
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60-140		119		

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analitical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (< 5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

ANALYTICAL TEST RESULT (a)

Reporting Unit (Circle One): ug/kg ug/L

DATE ANALYZED		02-12-96			
DATE EXTRACTED		NA			
DILUTION FACTOR		1			
LAB SAMPLE I.D.		VAL587B			
CLIENT SAMPLE I.D.		–			
COMPOUND (b)	MDL	MB1			
Bromobenzene					
Bromodichloromethane					
Bromoform	5	ND			
Bromomethane	25	ND			
Carbon tetrachloride	5	ND			
Chloroethane	25	ND			
Chloroform	5	ND			
1–Chlorohexane					
Chloromethane	25	ND			
Dibromochloromethane	5	ND			
Dibromomethane					
Dichlorodifluoromethane	25	ND			
1,1–Dichloroethane (1,1–DCA)	5	ND			
1,2–Dichloroethane (1,2–DCA)	5	ND			
1,1–Dichloroethylene (1,1–DCE)	5	ND			
trans–1,2–Dichloroethylene	5	ND			
Dichloromethane	25	ND			
1,2–Dichloropropane	5	ND			
cis–1,3–Dichloropropylene	5	ND			
trans–1,3–Dichloropropylene					
1,1,1,2–Tetrachloroethane	5	ND			
1,1,2,2–Tetrachloroethane	5	ND			
Tetrachloroethylene (PCE)	5	ND			
1,1,1–Trichloroethane (111–TCA)	5	ND			
1,1,2–Trichloroethane (112–TCA)	5	ND			
Trichloroethylene (TCE)	5	ND			
1,2,3–Trichloropropane					
Trichlorofluoromethane	5	ND			
Vinyl chloride	25	ND			
Benzene					
Chlorobenzene	5	ND			
1,2–Dichlorobenzene	5	ND			
1,3–Dichlorobenzene	5	ND			
1,4–Dichlorobenzene	5	ND			
Ethyl benzene					
Toluene					

ANALYTICAL TEST RESULT (cont'd)

COMPOUND (b)	MDL	MBI			
m,p–Xylenes					
Benzylchloride	5	ND			
Acetone					
Acrolein					
Acrylonitrile					
Bromochloromethane					
n–Butylbenzene					
sec–Butylbenzene					
tert–Butylbenzene					
2–Chloroethylvinyl ether					
2–Chlorotoluene	5	ND			
4–Chlorotoluene					
Dichlorodifluoromethane					
cis–1,2–Dichloroethylene	5	ND			
1,3–Dichloropropane	5	ND			
2,2–Dichloropropane					
1,1–Dichloropropylene					
Ethylene dibromide (EDB)	5	ND			
Hexachlorobutadiene					
Isopropylbenzene					
p–Isopropyltoluene					
Methyl Ethyl Ketone					
Methyl Isobutyl Ketone					
Naphthalene					
n–Propylbenzene					
Styrene					
1,2,3–Trichlorobenzene					
1,2,4–Trichlorobenzene					
1,2,4–Trimethylbenzene					
1,3,5–Trimethylbenzene					
1,1,2–Trichloro–trifluoroethane					

SURROGATE	SPK CONC	ACP%	MB %RC	%RC	%RC	%RC
Bromofluorobenzene	50	60–140	115			

a = Report Any Value > MDL; b = Listed Compounds Are Ordered by Laboratory Analitical Methods: Halogenated, Aromatic, then Remaining Compounds Identified by GC/MS.

SPK CONC = Spiking Concentration (<5 x PQL); ACP % Acceptable Range of Percent; %RC = % Recovery

MDL = Method Detection Limit; MB = Method Blank; ND = Not Detected (Below MDL); NA = Not Analyzed

QA/QC REPORT

Reporting Unit (Circle One): (ug/kg) ug/L

I. Matrix Spike (MS) Matrix Spike Duplicate (MSD)

DATE PERFORMED: 02-13-96
BATCH: 96B042
LAB SAMPLE I.D.: B042-01

ANALYTE	SPK CONC	MS	%MS	MSD	% MSD	RPD	ACP %MS	ACP RPD
Benzene	274	228	83	226	82	1	60-140	40
Toluene	274	223	81	223	81	0	60-140	40
Ethylbenzene	274	237	86	237	86	0	60-140	40
Total Xylenes	823	597	73	598	73	0	60-140	40

II. Laboratory Quality Control Check Sample

DATE PERFORMED: 02-12-96
BATCH: 96B042
LAB SAMPLE I.D.: VAL587L

ANALYTE	SPK CONC	RESULT	% RECOVERY	ACP %
Benzene	100.00	88.50	88	80-120
Toluene	100.00	90.00	90	80-120
Ethylbenzene	100.00	100.50	101	80-120
Total Xylenes	300.00	248.00	83	80-120
				80-120
				80-120
				80-120

ANALYST: Rong Ma DATE: 2/22/96

NOTE: CKY Lab QC limits for LCS/LCSD recoveries: 70-125%

QA/QC REPORT

Reporting Unit (Circle One): (ug/kg) ug/L

I. Matrix Spike (MS) Matrix Spike Duplicate (MSD)

DATE PERFORMED: _____
BATCH: _____
LAB SAMPLE I.D.:

ANALYTE	SPK CONC	MS	%MS	MSD	% MSD	RPD	ACP %MS	ACP RPD

II. Laboratory Quality Control Check Sample

DATE PERFORMED: 02-12-96
BATCH: 96B042
LAB SAMPLE I.D.: VAL587C

ANALYTE	SPK CONC	RESULT	% RECOVERY	ACP %
Benzene	100.00	88.00	88	80–120
Toluene	100.00	89.00	89	80–120
Ethylbenzene	100.00	104.00	104	80–120
Total Xylenes	300.00	261.00	87	80–120
				80–120
				80–120
				80–120

ANALYST: Rong Ma DATE: 2/22/96

NOTE: CKY Lab QC limits for LCS/LCSD recoveries: 70-125%

QA/QC REPORT

Reporting Unit (Circle One): ug/kg ug/L

I. Matrix Spike (MS) Matrix Spike Duplicate (MSD)

DATE PERFORMED: _____
BATCH: _____
LAB SAMPLE I.D.:

ANALYTE	SPK CONC	MS	%MS	MSD	% MSD	RPD	ACP %MS	ACP RPD

II. Laboratory Quality Control Check Sample

DATE PERFORMED: 02-14-96
BATCH: 96B042
LAB SAMPLE I.D.: VAL597L

ANALYTE	SPK CONC	RESULT	% RECOVERY	ACP %
Benzene	100.00	90.00	90	80–120
Toluene	100.00	91.50	92	80–120
Ethylbenzene	100.00	88.50	89	80–120
Total Xylenes	300.00	240.00	80	80–120
				80–120
				80–120
				80–120

ANALYST: Rong Ma DATE: 2/22/96

NOTE: CKY Lab QC limits for LCS/LCSD recoveries: 70-125%

QA/QC REPORT

Reporting Unit (Circle One): (ug/kg) ug/L

I. Matrix Spike (MS) Matrix Spike Duplicate (MSD)

DATE PERFORMED: _____
BATCH: _____
LAB SAMPLE I.D.:

ANALYTE	SPK CONC	MS	%MS	MSD	% MSD	RPD	ACP %MS	ACP RPD

II. Laboratory Quality Control Check Sample

DATE PERFORMED: 02-14-96
BATCH: 96B042
LAB SAMPLE I.D.: VAL597C

ANALYTE	SPK CONC	RESULT	% RECOVERY	ACP %
Benzene	100.00	87.00	87	80–120
Toluene	100.00	88.50	88	80–120
Ethylbenzene	100.00	96.50	97	80–120
Total Xylenes	300.00	232.00	77	80–120
				80–120
				80–120
				80–120

ANALYST: Rong Ma DATE: 2/22/96

NOTE: CKY Lab QC limits for LCS/LCSD recoveries: 70-125%

APPENDIX C

USE OF A GEO FLOWMETER FOR THE DETERMINATION OF GROUND WATER FLOW DIRECTION

Reference: Guthrie, M., "Use of a Geo Flowmeter for the Determination of Ground Water Flow," Ground Water Monitoring Review, Vol. 6, No. 1, 1986, pp. 81-86.

Use of a Geo Flowmeter for the Determination of Ground Water Flow Direction

by Marilyn Guthrie

Abstract

The Geo Flowmeter is manufactured by K.V. Associates of Falmouth, Massachusetts, and is used to determine ground water flow direction and velocity in monitoring wells or open boreholes. It operates by emitting heat pulses and measuring subsequent temperature increases carried by the ground water movement. The meter can be used in wells as small as 2 inches in diameter and only a single well is required for determination of ground water flow direction and rate.

This paper is a case history of the use of the Geo Flowmeter in a complex hydrogeologic setting consisting of a partially above grade landfill located between a navigable waterway and a large storm water impoundment basin. Mounding effects of the landfill, tidal changes in the channel, varying water levels in the impoundment basin and a complex substrate (alternating layers of sand, silt and clay) presented a challenge for ground water interpretation and analysis. The Geo Flowmeter was lowered into existing monitoring wells surrounding the landfill to determine ground water flow direction and rate. Sensitivity of the meter was sufficient to distinguish two separate flow directions in a single well screen. Later investigation involving installation of piezometers, long-term ground water level monitoring and plotting of ground water contours verified initial findings of the meter.

This article presents numerous graphs and pictures to illustrate field use of the instrument and discusses advantages and disadvantages of its use. Actual field data collected is included to provide a basis for evaluating the accuracy of the instrument and identifying situations where it may be used.

Introduction

The Geo Flowmeter, manufactured by K.V. Associates of Falmouth, Massachusetts, is a portable field instrument used for determining ground water direction and velocity. It can be used in saturated soil, open boreholes and in different size wells.

The instrument operates by emitting heat pulses and simultaneously measuring the temperature differential around the circumference of the well. The heat pulses are carried in one direction by the movement of soil pore water, thus causing a temperature differential. By plotting the measured temperature differential in vector form, the direction of ground water flow is determined.

K.V. Associates has used this instrument for measuring ground water direction and velocity in many different settings. In one reported case, borings were made through rock and screened in the sandy till below and the meter was used to predict the deep and shallow flow movement. Studies have also been done to determine flow through lakes and ponds.

This paper documents use of the instrument in the understanding of flow in a complex hydrology setting. Operating principles, operating instructions and supporting data documenting its accuracy are also presented. Finally, advantages and disadvantages of using the instrument are presented based on actual field experience.

Methods and Materials

Figure 2.1 shows all the components of the K.V. Associates Geo Flowmeter. The instrument operates on the theory of heat movement by the soil pore water as illustrated by Figure 2.2.

The instrument consists of a heat source sur-

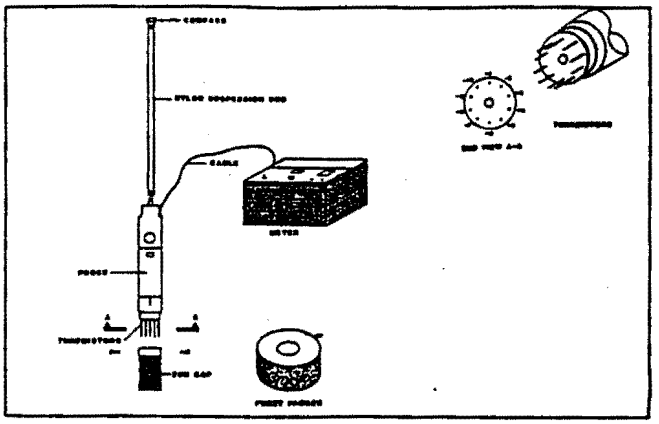


Figure 2.1 Instrument setup for Geo Flowmeter

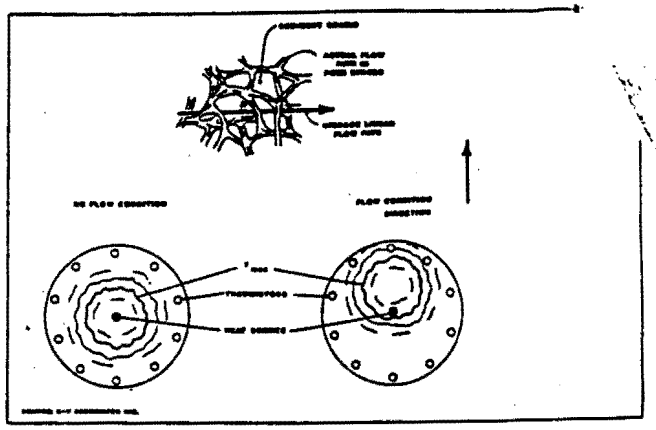


Figure 2.2 Concept of flow through pore spaces in soil and Geo Flowmeter flow conditions

rounded by 10 thermistors, each of which are paired to another making a total of five pair (Figure 2.1). The relative thermal difference is displayed, and the sign (+ or -) of the value indicates which of the two thermistors is reading the higher temperature. For example, if thermistor +1 is hotter than its pair, thermistor -6, the display will be a positive value indicating flow (heat) in the direction of +1 (Figure 2.2).

In a no-flow condition all thermistors see the same temperature rise with time and there is no net difference between pairs (Figure 2.2).

Equipment Description

Figure 2.3 illustrates how the probe is set up for down the well use. In short, the end cap which contains glass beads is attached to the probe and the probe is then suspended in the well by nylon rods. The compass tee is then attached to the last rod for orientation purposes.

The diameter of the well will determine the type of attachment that must be placed on the end of the probe. The first type of attachment, useful only in 2-inch wells, is called an end cap and consists of a grey netting filled with glass beads (Figure 2.1). This end cap is attached directly to the probe with two small screws and surrounds the probe with a loose porous medium (the glass beads). The second type of attachment is called a fuzzy packer and can be used in 2-, 4-and 6-inch wells. The fuzzy packer is a cylinder with a fuzzy covering made to fit tightly down a well (Figure 2.1). This cylinder is also filled with small glass beads to provide a porous medium through which the flow will stabilize (Figure 2.1). The fuzzy packer also attaches with two mounting screws directly to the probe.

The probe is suspended in the well by the 5-foot nylon suspension rods which join together by snap buttons (Figure 2.3). The probe is then lowered down the well until it is at the depth of the screen. Care must be taken to be sure that the probe is set in the screen of the well and not just in the water. (It is necessary to know the depth of the screen before heading to the field.) Using a pipe ring to hold the nylon tubing, the probe can be suspended at a certain depth.

Once the probe is set at the proper depth, it must be oriented to north. To facilitate this, the compass is placed on the top most attached nylon rod and snapped in (Figure 2.1). The snap attachment ensures that the number +1 probe is lined up with the north reading on the compass. When the compass arrow is oriented toward the north, the probe is ready for use.

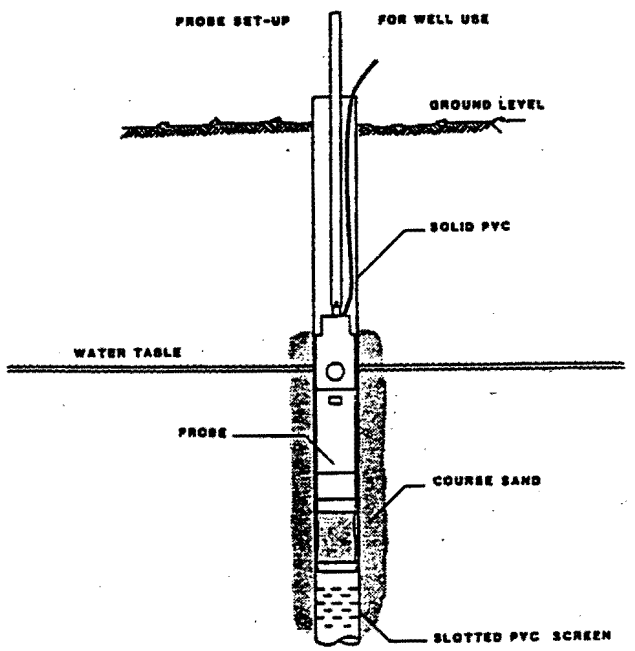


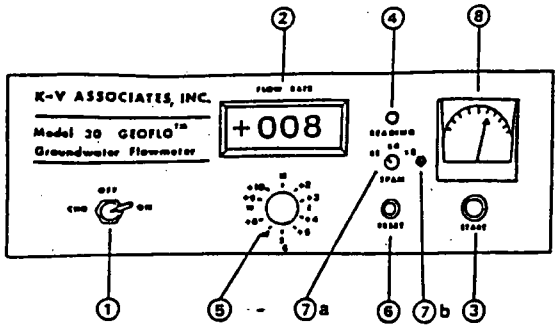
Figure 2.3 Downwell setup for the Geo Flowmeter

Operating Procedure

The rotary switch selects which pair of thermistors are being read and displayed. (Figure 2.4, #5.) The flow rate and direction indicator by + or - is displayed on the LCD (liquid crystal display) as the rotary switch is moved from channel to channel.

Readings for each channel should be monitored at short intervals until a stable display is observed. Values should be within +10, however, they may be larger with a greater sensitivity setting. Values for the five channels are recorded on a Ground Water Flow Worksheet in Column A, as illustrated in Figure 2.5. After pressing the START button, the LED will flash to indicate that a measurement cycle is in progress. When the beeper sounds (1½ minutes for Model 30), values from respective channels in the "end" column B are immediately recorded. The RESET button can be pressed to silence the beeper.

Next, the probe must be oriented in the south direction again allowing at least five minutes for heat to dissipate and flow to re-establish. It is suggested that the fuzzy packer be raised and lowered several times in order to help the heat dissipate. After five



Item	Function	Instruction
①	Switch applies batteries to instrument operation or external battery charger.	Push toggle to right to power instrument. Push left to charge battery.
②	Panel meter gives digital flow rate.	Values are typically read in units of ft/day.
③	Switch starts measurement cycle and heat pulse.	Push to start when probe is in place.
④	LED flashes during reading time of measurement cycle.	Do not disturb probe during measurement cycle.
⑤	Rotary switch selects direction, i.e. one of 5 pairs of opposed thermistors in probe; thermistor #1 oriented North.	Record readings for each position before and after measurement cycle.
⑥	Push button reset timers.	Push to reset buzzer or interrupt a measurement cycle in process.
⑦	a) Span switch adjusts sensitivity. b) Adjacent multi-turn span pot makes fine adjustments to span switch levels.	a) 1X= low; 4X= medium; 8X= high sensitivity. b) Adjustments clockwise increase sensitivity.
⑧	Ammeter displays current flow.	Provides confirmation of current flow and indicates battery condition.

SOURCE: K-V ASSOCIATES INC.

Figure 2.4 Operating controls for the KV Associates Geo Flowmeter

minutes the cycle can be repeated and readings recorded in the second set of columns. Column B is then subtracted from Column A and the results placed in Column N (or C) as shown in Figure 2.5; repeating the procedure in Column S. Then Column S is subtracted from Column N and divided by 2 (the result is recorded in Column F). Each reading in Column F is then divided by the largest absolute value in this column. Vectors can then be drawn on the circular diagram on the right side of the worksheet for each value with the largest value being 1. Then starting at the end of the largest vector, draw vectors head to tail, keeping their respective lengths and directions the same. After redrawing the four other vectors, a line drawn from the center through the head of the last vector will intersect the outermost circle of the paper at a degree reading representing the principal direction of flow.

This instrument was also used in open core borings. In this case the prongs of the probe are inserted directly into the soil and readings taken as before. If the bottom of the hold consists of clay, placement of the probe may be difficult since the nylon rods bend easily. When the probe is rotated to the south, it is suggested that the probe be pulled completely from the hole and sediment removed from between the prongs of the probe.

Velocity of the ground water movement can also be computed as follows:

$$Nc \times F_L = \text{feet/day through } (V_G) \text{ glass beads}$$

Where:

Nc = Calibration number

F_L = Largest value in the Column F (worksheet)

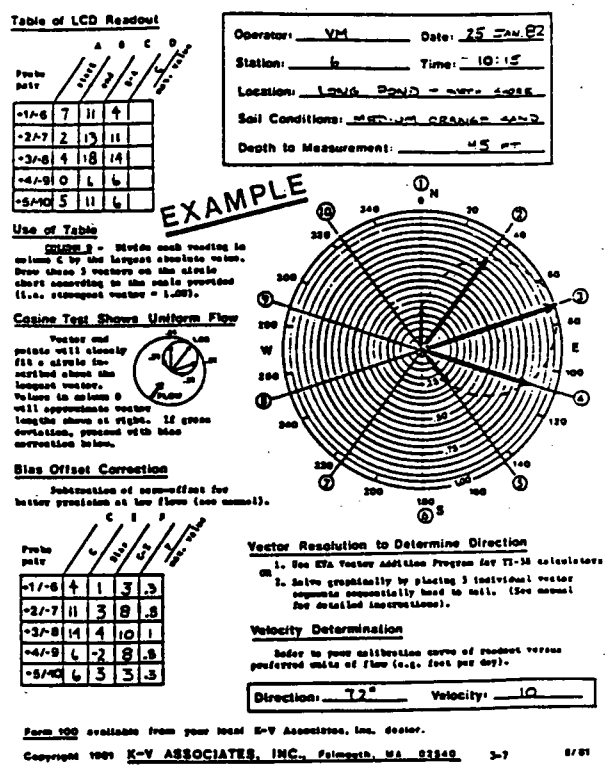


Figure 2.5 Ground water flow worksheet

4.

Then, using the ratio:

$$\frac{.33}{V_G} \cdot \frac{P_s}{V_S}$$

Where:

.33 = the void space of the glass beads

V_G = feet/day through glass beads

V_S = feet/day through the soil

P_S = porosity of soil calculated by filling a graduated cylinder with 25 ml of water and then dumping soil into the water until the soil height reaches 25 ml. Then dividing the difference by the old measurement (25 ml) to compute void space.

Case History

Figure 3.1 shows a specific site layout where the KV-Meter was used for investigative purposes. The site under investigation is an above grade landfill, approximately two (2) acres in size. It is located adjacent to an intercoastal waterway. Ground water in this area is affected by tidal changes and the water level in a storm water impoundment. The geology of the area is made up of relatively complex river deposits of alternating layers of sand, silt and clay (Figure 3.2)

Concern over the area began with the installation of Well-A (Figure 3.1) Initial and later tests showed low pHs in this well and the source of the low pH was unknown. No record of what was deposited in the landfill was available and many pipelines run through this area making source determination difficult. A second well, Well-B, was placed near the storm water impoundment (Figure 3.1) but showed a relatively normal ph of 6 units.

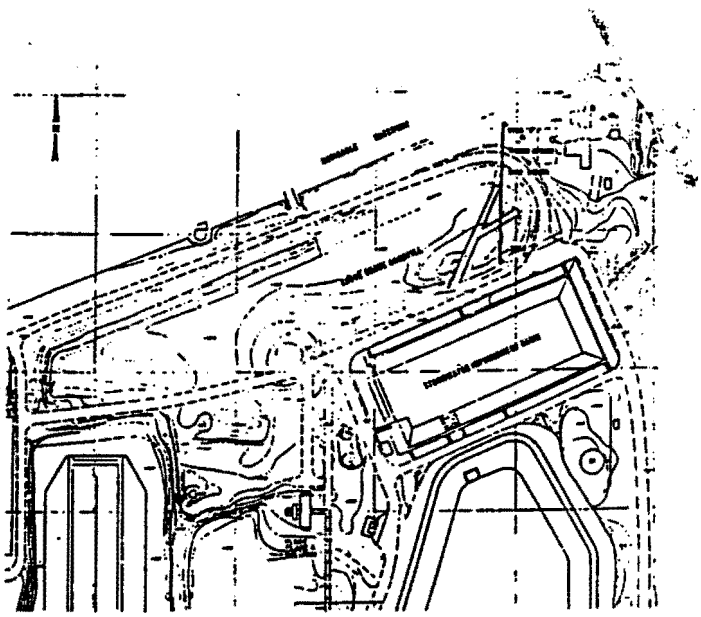


Figure 3.1 Geo Flowmeter site map

The Geo Flowmeter was inserted in these two wells and the resultant readings are shown on Figure 3 3. The shallow reading (13 feet) in Well-A and the deep reading (25 feet) showed ground water flow to be in the direction of the water way. However, the shallow reading in Well-B showed flow to be in the direction of the storm water impoundment basin.

A series of new wells (Figure 3.4) were installed in order to determine the presence of contamination. From the new wells and the reading from the Geo Flowmeter, flow lines were drawn on a cross section to show the shallow and deep flow directions as shown in Figure 3.5; the above grade landfill is causing a slight

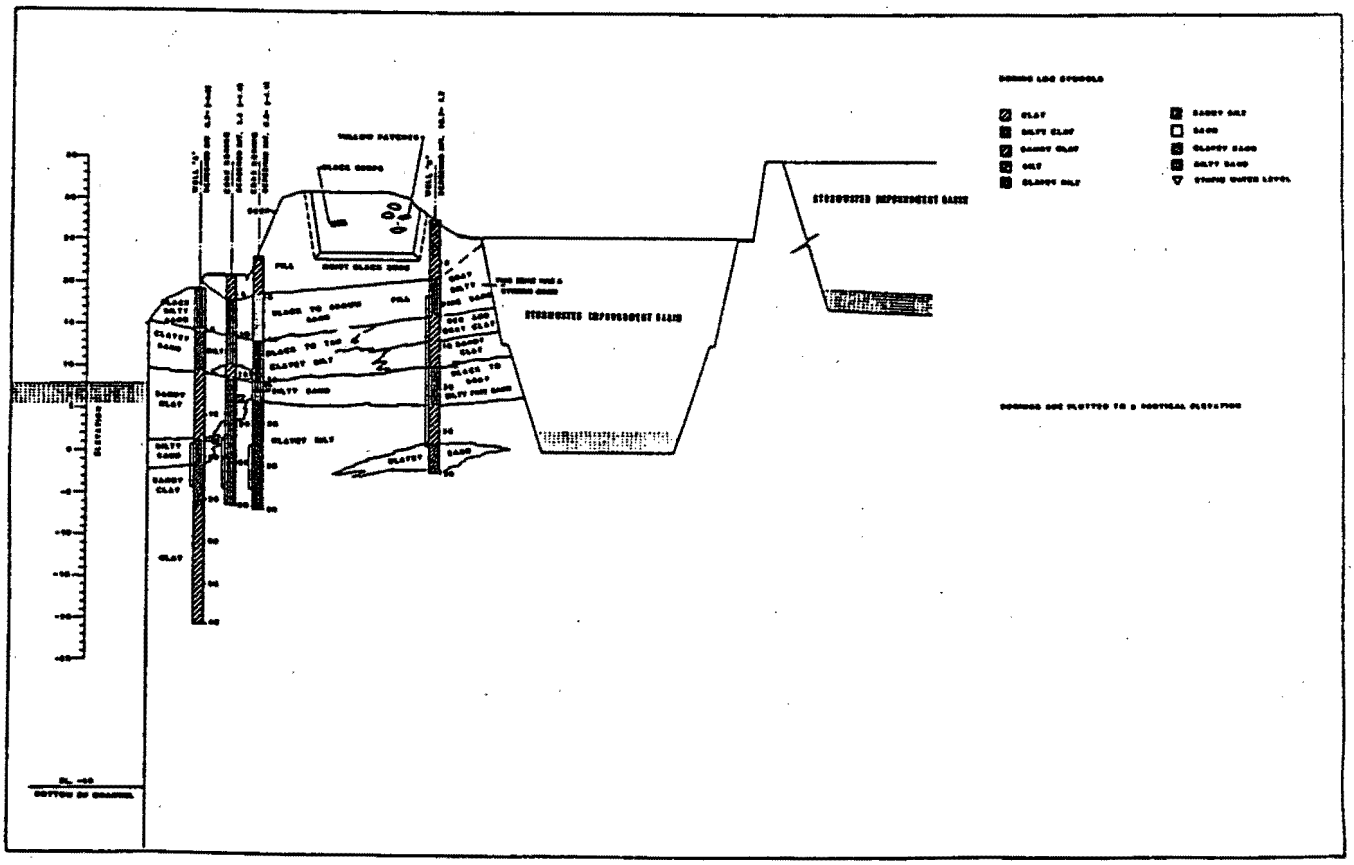


Figure 3.2 Subsurface cross section of above grade landfill

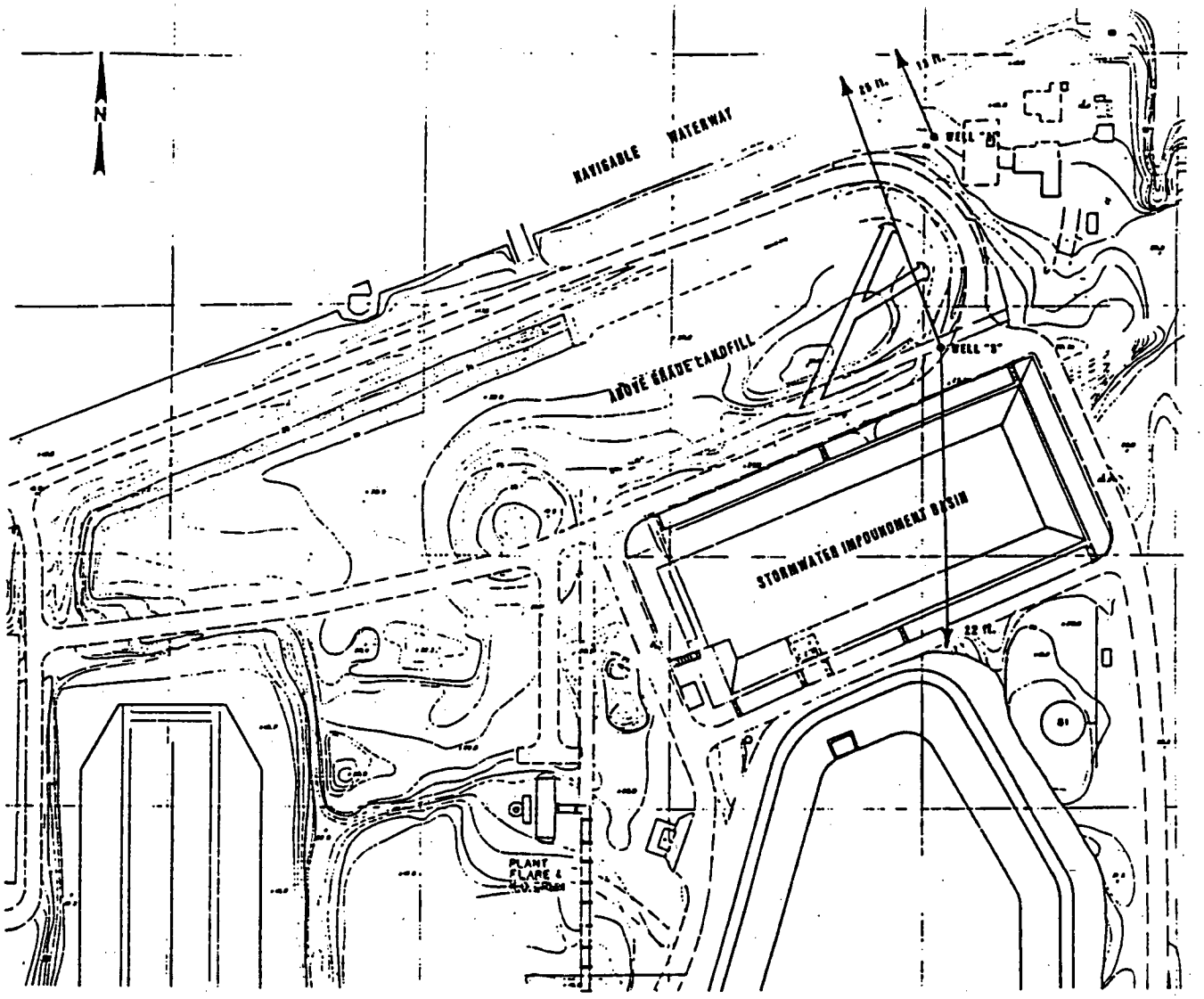


Figure 3.3 Site map with Geo Flowmeter readings

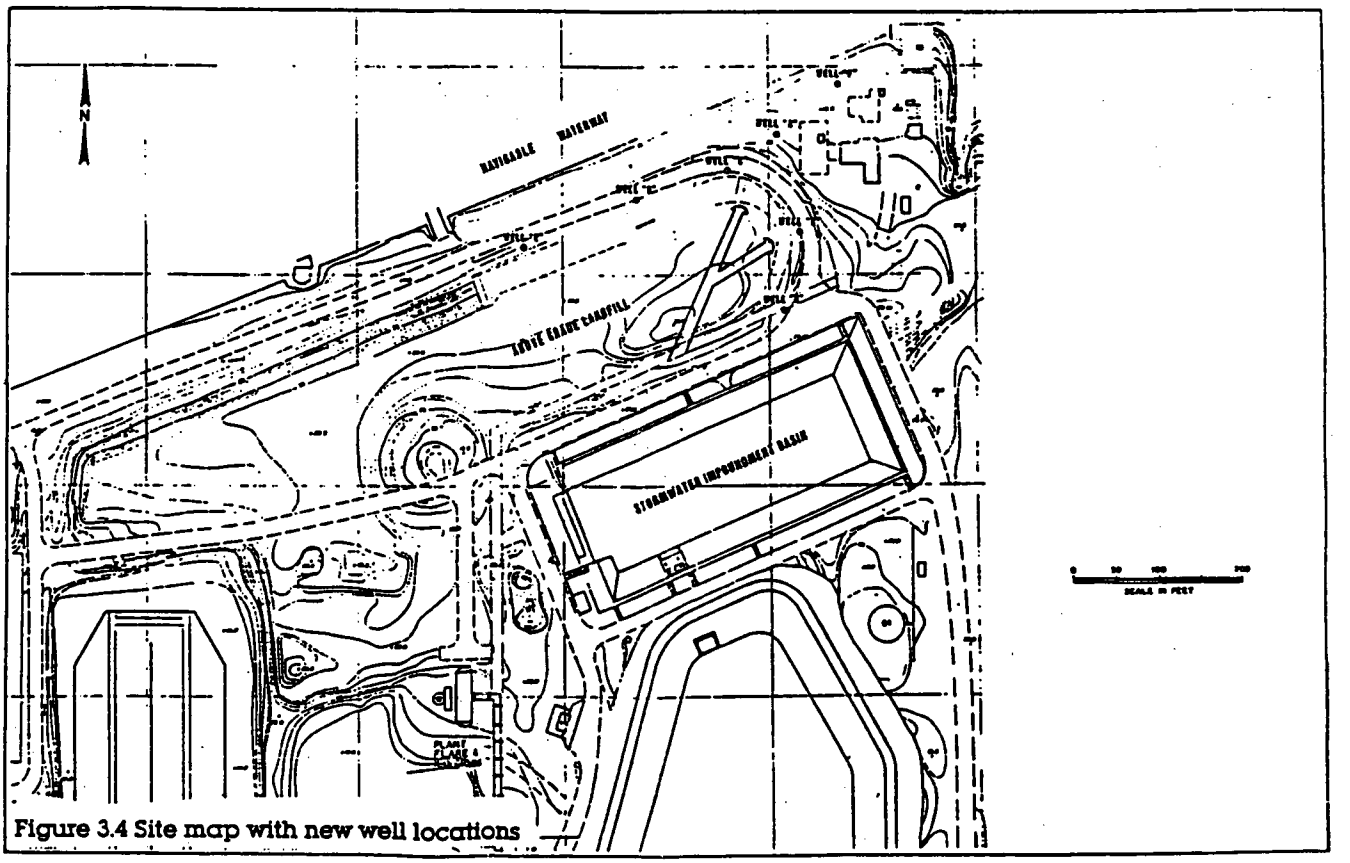


Figure 3.4 Site map with new well locations

mounding effect. Further, the storm water basin is continually pumped dry causing the local gradient to be toward the basin. However, the underlying regional gradient is toward the waterway.

Additional evidence to support the effects of the storm water basin was gathered from continual water level monitors placed in the basin, Well-A, Well-B and the water way. As rainfall was collected and the water level of the basin increased, Well-B adjusted accordingly. On the other hand, Well-A was affected directly by the rising and falling of the waterway.

Conclusions

The Geo Flowmeter is very appealing because it is portable and easy to use once operation of the instrument is mastered. It is sensitive enough to give readings of two different directions in a single screen and its sensitivity to local ground water flows makes it very attractive. Regional ground water flows derived from wells may miss local situations which may be important in analysis of underground storage facility settings. When compared to an extensive drilling program, it is relatively inexpensive. In addition, much information can be derived by using the instrument and only a few wells.

Disadvantages would include the time and effort it takes to understand and use the instrument properly. The operating manual certainly needs to be more explicit. It must also be remembered that in many cases the meter will indicate a very local situation that could be subject to change. For example, the flow in some wells actually reversed because of tidal situations. Not all readings taken during the testing of this instrument were 100 percent convincing, particularly those taken in open boreholes. In a deep boring, it was very difficult to determine if the instrument was placed in the soil correctly.

Acknowledgments

Support for the landfill study was provided by ERM-Southwest Inc. Suggestions regarding the ground water investigation and for improving the manuscript were made by Mike Pisani of ERM-Southwest.

References

K.V. Associates Inc. 1982. Ground Water Flowmeter System—Operations and Maintenance Manual. K.V. Associates, Falmouth, Massachusetts.

Biographical Sketch

Marilyn Guthrie is employed by the ARCO Petroleum Products Co. and is involved in geologic investigations, ground water monitoring, hydrocarbon recovery and RCRA permitting at the Houston Refinery in Houston, Texas. This article was written as a result of the author's experience with the Geo Flowmeter at the refinery.

Guthrie is a graduate of Baylor University with a bachelor of science in geology. Upper level classwork was completed in hydrogeology and hydrology; undergraduate thesis dealt with the surface water problems of a dam in Waco, Texas. Graduate work is currently being completed at the University of Houston.

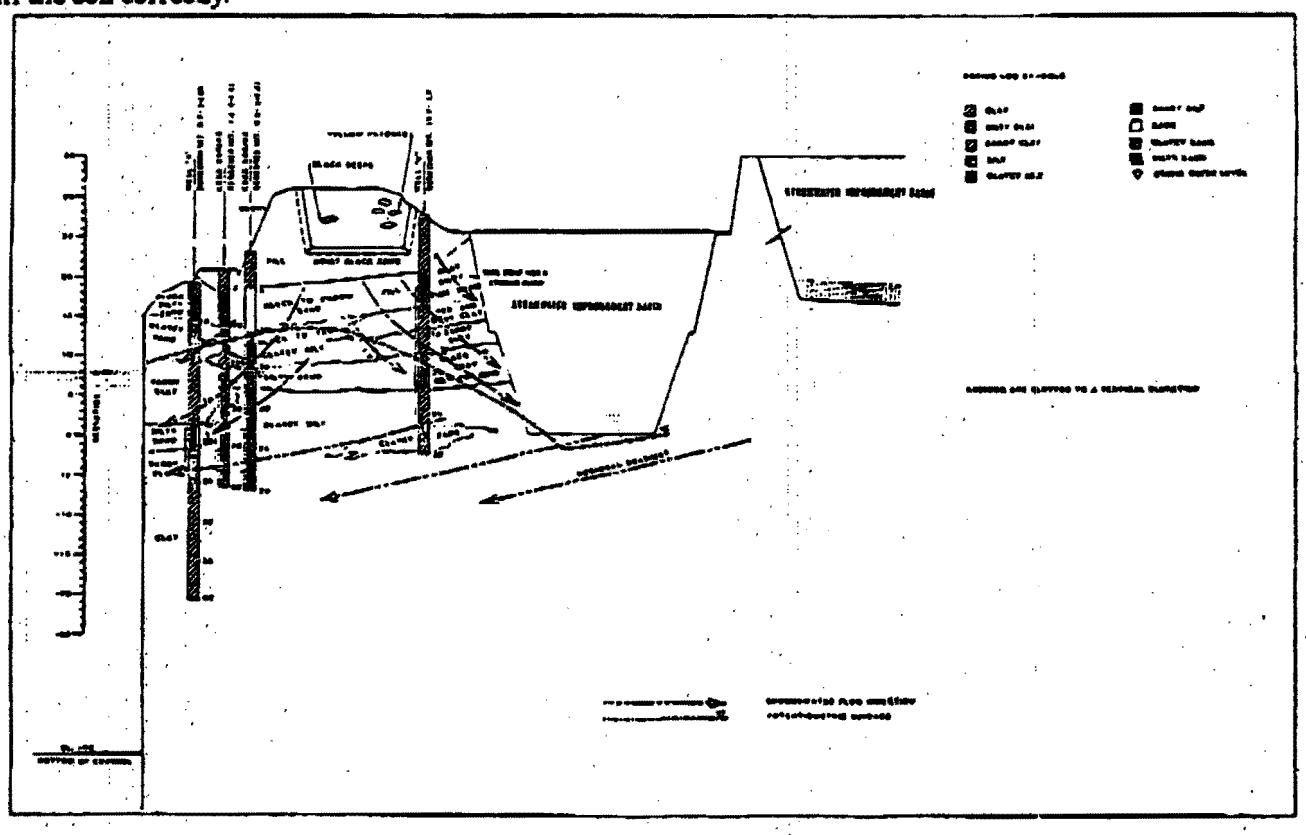


Figure 3.5 Subsurface cross section with flow lines of above grade landfill

Request # _____

County of San Diego

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(858) 505-6700 FAX (858) 505-6848
www.sdcdeh.org

PUBLIC RECORDS REQUEST FOR THE SITE ASSESSMENT AND MITIGATION (SAM) PROGRAM AND HAZARDOUS MATERIALS DIVISION (HMD)

Requestor Name: Sara Gengler **E-Mail:** RedactorsInk@yahoo.com

Phone: (702) 240-9689 **FAX:** ( )

Company Name: Redactors Ink

Mailing Address: 237 Fowles St., Oceanside, CA 92054

(You may attach a business card/overprint with business card if preferred)

Additional information may be accessed from the DEH website, www.sdcdeh.org. Fax or email your completed form to the Public Records Program at (858) 505-6848 or deh.publicrecords@sdcounty.ca.gov. The following information is required. Separate forms are needed for each address or parcel number.

517 Shinohara Lane, Chula Vista, CA 91911 **or** **644-040-01-00**

Exact Address (Street, City and Zip Code) — Assessor Parcel Number

Optional information (establishment permit number, business name, etc.):

Please indicate the purpose of your search by checking all that apply:

- ☒ Contaminated Property Investigation(s) (SAM Cases)
- ☒ Monitoring Well Files
- ☒ SAM Closure Letter/Report
- ☒ Hazardous Materials Permit & Underground Storage Tank Files (HMD/UST)
- ☒ Other (specify):_____

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☐ Original records were purged.

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www.sdcdeh.org

PUBLIC RECORDS REQUEST FOR THE SITE ASSESSMENT AND MITIGATION (SAM) PROGRAM AND HAZARDOUS MATERIALS DIVISION (HMD)

Requestor Name: Sara Gengler **E-Mail:** RedactorsInk@yahoo.com

Phone: (702) 240-9689 **FAX:** ( )

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- ☒ Other (specify):_____

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Photocopies _____ Cost _____ Picked up/mailed on _____ By _____

A search for DEH records checked above has been conducted and the following apply:

☐ SAM files for the permit number(s) listed below are available.
#_____ #_____ #_____ #_____ #_____

☐ HMD/UST files for the permit number(s) listed below are available.
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☐ Original records were purged.
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EH-9098 (Rev. 10/15)

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 11. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242** or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was provided in digital format by the USDA National Agriculture Imagery Program (NAIP). this information was photogrammetrically compiled at a scale of 1:24,000 from aerial photography dated 2009.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables *in the Flood Insurance Study report (which contains authoritative hydraulic data)* may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-877-FEMA MAP (1-877-336-2627) for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov/.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.

The **"profile base lines"** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the "profile base line", in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities

513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

A — A	Cross section line
23 - - - - 23	Transect line
97°07'30", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
4275000mE	1000-meter Universal Transverse Mercator grid ticks, zone 11
6000000 FT	5000-foot grid values: California State Plane coordinate system, Zone VI (FIPSZONE = 406), Lambert projection
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
● M1.5	River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
June 19, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
May 16, 2012 – to update corporate limits, to add roads and road names, to incorporate previously issued Letters of Map Revision, and to update map elevations to North American Vertical Datum of 1988.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 250 500 750 1,000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 2157G

FIRM
FLOOD INSURANCE RATE MAP
SAN DIEGO COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 2157 OF 2375

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CHULA VISTA, CITY OF	065021	2157	G
SAN DIEGO COUNTY	060284	2157	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06073C2157G

MAP REVISED
MAY 16, 2012

Federal Emergency Management Agency

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 11. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242** or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was provided in digital format by the USDA National Agriculture Imagery Program (NAIP). this information was photogrammetrically compiled at a scale of 1:24,000 from aerial photography dated 2009.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables *in the Flood Insurance Study report (which contains authoritative hydraulic data)* may reflect stream channel distances that differ from what is shown on this map.

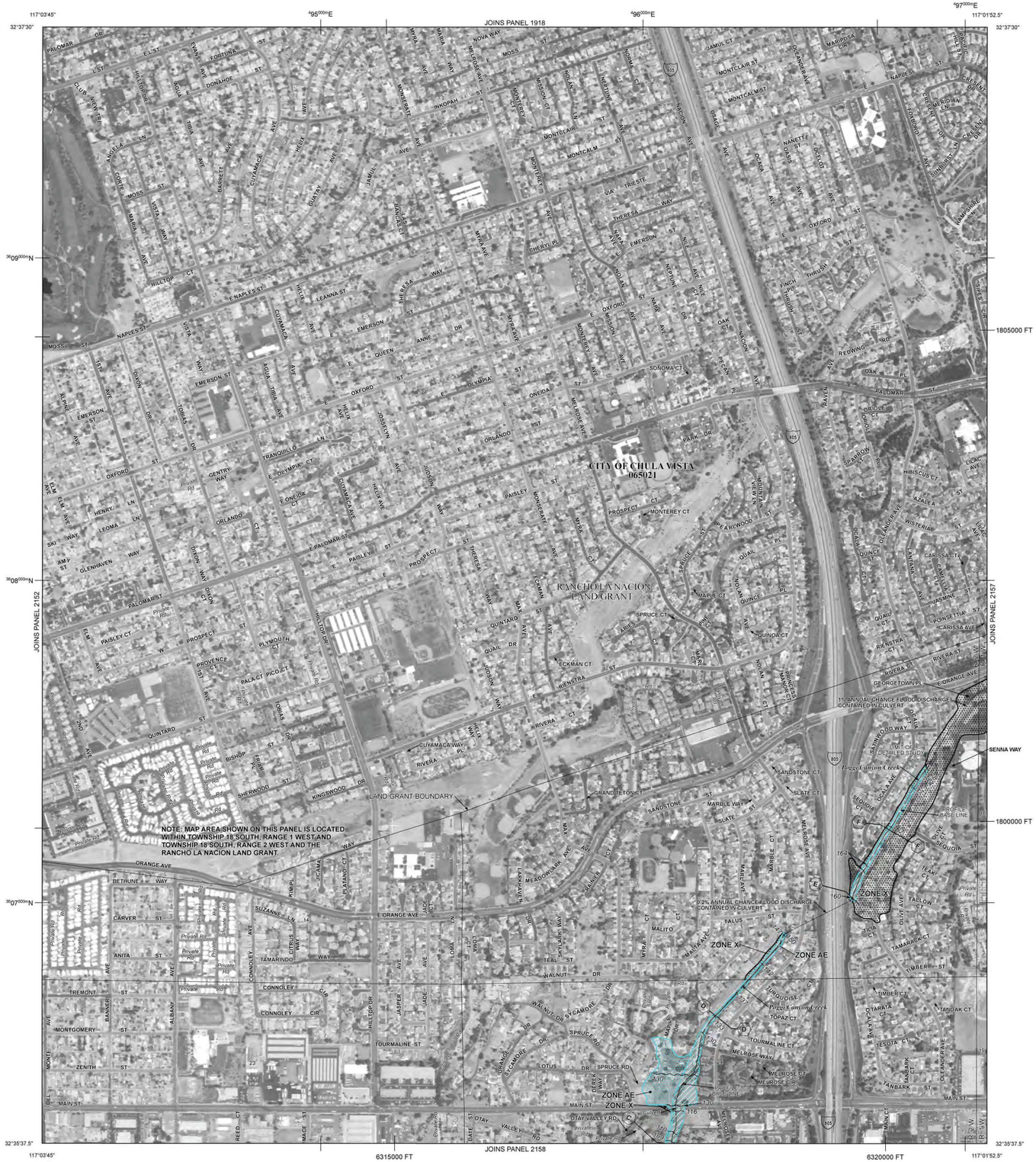
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-877-FEMA MAP (1-877-336-2627) for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov/.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.

The **"profile base lines"** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the "profile base line", in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
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150 0 150 300 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 2156G

FIRM

FLOOD INSURANCE RATE MAP

SAN DIEGO COUNTY, CALIFORNIA

AND INCORPORATED AREAS

PANEL 2156 OF 2375

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CHULA VISTA, CITY OF	065021	2156	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06073C2156G

MAP REVISED
MAY 16, 2012

Federal Emergency Management Agency

FEMA Digital Flood Map Products

- **FIRM Panel Image:** Flood Insurance Rate Maps (FIRM) are digital images of flood hazard maps. The images are digital pictures of entire flood map panels that can be viewed and printed from a computer. Most communities and counties have many map panels to cover the entire jurisdiction and an index map that shows the location of each map panel.

- **FIRM Worldfile:** A TFW or PGW file may accompany your flood hazard map. They are used to help view the flood maps in GIS applications.

FIRM Panel Images are TIF or PNG image files and have file names with a Community or County ID followed by a 4-digital panel number and letter suffix representing a version (e.g. 12345C0123F.tif). The FIRM worldfiles will have the same filenames but with a .tfw or .pgw extension.

FIRM Panel Images can be viewed using most freely available image viewer applications. You can also use the FIRMette-Desktop software available from the FEMA Flood Map Service Center (MSC) website at msc.fema.gov/portal/resources/firmettes. FIRM images can also be viewed in specialized GIS software where the worldfiles are used to make the images compatiable with other GIS data. See the MSC Products and Tools Overview page for more information on avialable data and tools for using FEMA's flood risk data.

For more information on available digital products, visit FEMA's Map Service Center website at https://msc.fema.gov or call the FEMA Map Information eXchange (FMIX) at 877-336-2627.

RiskMAP
Increasing Resilience Together

APPENDIX C: REGULATORY DATABASE REPORT

PARTNER

Industrial Land
517 Shinohara Lane
Chula Vista, CA 91911

Inquiry Number: 5146125.2s
December 27, 2017

The EDR Radius Map™ Report with GeoCheck®

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

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

517 SHINOHARA LANE
CHULA VISTA, CA 91911

COORDINATES

Latitude (North):	32.5973850 - 32˚ 35' 50.58''
Longitude (West):	117.0315190 - 117˚ 1' 53.46''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	497042.2
UTM Y (Meters):	3606465.2
Elevation:	204 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5622818 IMPERIAL BEACH, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140805
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
517 SHINOHARA LANE
CHULA VISTA, CA 91911

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	BRANDYWINE DISTRIBUT	1670 & 1690 BRANDYWI	CA WMUDS/SWAT	Lower	92, 0.017, ESE
A2	BRANDYWINE DISTRIBUT	1670 & 1690 BRANDYWI	CA SLIC	Lower	261, 0.049, ESE
B3	HYSPAN PRECISION PRO	1685 BRANDYWINE AVE	CA SWEEPS UST	Lower	573, 0.109, SE
B4	HYSPAN PRECISION PRO	1685 BRANDYWINE AVE	CA HIST UST	Lower	573, 0.109, SE
5	JO-BIE PRODUCTS COMP	516 TALLOW CT	RCRA-SQG, FINDS, ECHO	Higher	697, 0.132, NNW
C6	DRESSER-RAND REAPIR	1675 BRANDYWINE AVEN	RCRA-LQG	Lower	706, 0.134, ESE
C7	CODE A PHONE CORP	1675 BRANDYWINE AVE	RCRA-SQG, FINDS, ECHO, CA HAZNET	Lower	706, 0.134, ESE
C8	ANTEON CORPORATION	1675 BRANDYWINE STE	RCRA-CESQG, FINDS, ECHO	Lower	706, 0.134, ESE
D9	FULLER FORD/HONDA	540/560 AUTO PARK DR	CA AST	Lower	727, 0.138, South
D10	FULLER FORD/KIA	540 AUTO PARK DR	CA AST, CA San Diego Co. HMMD	Lower	727, 0.138, South
D11	FULLER FORD HONDA	560 AUTO PARK DR	RCRA-SQG, FINDS, ECHO, CA EMI, CA HAZNET	Lower	736, 0.139, SSE
12	RAYCHEM CORP	1669 BRANDYWINE AVE	RCRA NonGen / NLR, FINDS, ECHO, CA HAZNET	Higher	751, 0.142, East
E13	PACIFIC BELL	490 OTAY VALLEY RD	CA LUST, CA SAN DIEGO CO. SAM, CA SWEEPS UST, CA...	Lower	763, 0.145, SW
E14	S & L SHELL MART	4555 MAIN ST	CA UST	Lower	936, 0.177, SW
F15	SHELL OIL INC	4555 OTAY VALLEYRD	CA SWEEPS UST	Lower	965, 0.183, SW
E16	SHELL	4555 AUTO PARK DR	CA LUST, CA SAN DIEGO CO. SAM	Lower	982, 0.186, SW
F17	OTAY VALLEY SHELL SV	455 OTAY VALLEY RD	CA HIST UST	Lower	1071, 0.203, SW
G18	FORMER DARLING INTL	4826 AUTO PARK DR	RCRA-SQG, CA HAZNET	Lower	1077, 0.204, SE
F19	KIDDIE KANDIDS #0060	4501 MAIN STREET	RCRA-SQG	Lower	1122, 0.213, SW
G20	PEOPLES CHEVROLET	580 AUTO PARK DR	RCRA-SQG, CA AST, CA San Diego Co. HMMD, FINDS,...	Lower	1125, 0.213, SE
21	FORMER OMAR RENDERIN	1886 AUTO PARK PLACE	CA DEED, CA LDS, CA BOND EXP. PLAN, CA Cortese, CA...	Lower	1325, 0.251, East
22	SHINOHARA II PROPERT	S OF 4700 BLK. MAIN	CA SWF/LF	Lower	1735, 0.329, South
23	ARCO	4430 OTAY VALLEY RD	CA LUST	Lower	1914, 0.363, WSW
H24	VINCENT DAVIES PROPE	4501 OTAY VALLEY ROA	CA ENVIROSTOR, CA SLIC, CA San Diego Co. HMMD, CA...	Lower	2016, 0.382, ESE
H25	VINCENT DAVIES PROPE	4501 OTAY VALLEY ROA	SEMS-ARCHIVE	Lower	2016, 0.382, ESE
26	DAVIES PROPERTY	NO ADDRESS	US BROWNFIELDS	Lower	2112, 0.400, SSW
27	APACHE SERVICES	4551 OTAY VALLEY ROA	CA ENVIROSTOR, CA BOND EXP. PLAN	Lower	4038, 0.765, WSW
I28	OTAY SANITARY LANDFI	OTAY VALLEY ROAD	CA ENVIROSTOR	Higher	4773, 0.904, ENE
I29	ALLIED WASTE - OTAY	1700 MAXWELL ROAD	CA SWF/LF, CA San Diego Co. HMMD, CA HIST UST, CA...	Higher	4792, 0.908, ENE
I30	APPROPRIATE TECHNOLO	1700 MAXWELL RD	CA ENVIROSTOR, CA SWF/LF, CA LDS, CA ENF, CA...	Higher	4792, 0.908, ENE
I31	APPROPRIATE TECHNOLO	1700 MAXWELL RD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG, 2020	Higher	4792, 0.908, ENE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

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

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

CA RESPONSE ..... State Response Sites

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

FEMA UST ..... Underground Storage Tank Listing
INDIAN UST ..... Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

CA BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

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

Local Lists of Registered Storage Tanks

CA FID UST ..... Facility Inventory Database

Local Land Records

CA LIENS ..... Environmental Liens Listing
LIENS 2 ..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
CA CHMIRS ..... California Hazardous Material Incident Report System
CA MCS ..... Military Cleanup Sites Listing
CA SPILLS 90 ..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
TSCA ..... Toxic Substances Control Act

EXECUTIVE SUMMARY

TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA CUPA Listings	CUPA Resources List
CA DRYCLEANERS	Cleaner Facilities
CA ICE	ICE
CA HWT	Registered Hazardous Waste Transporter Database
CA MINES	Mines Site Location Listing
CA MWMP	Medical Waste Management Program Listing
CA PEST LIC	Pesticide Regulation Licenses Listing
CA PROC	Certified Processors Database
CA Notify 65	Proposition 65 Records
CA UIC	UIC Listing
CA WASTEWATER PITS	Oil Wastewater Pits Listing
CA WDS	Waste Discharge System
CA WIP	Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF	Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

CA RGA LUST---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/11/2017 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VINCENT DAVIES PROPE	4501 OTAY VALLEY ROA	ESE 1/4 - 1/2 (0.382 mi.)	H25	95

Federal RCRA CORRACTS facilities list

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

A review of the CORRACTS list, as provided by EDR, and dated 09/13/2017 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APPROPRIATE TECHNOLO	***1700 MAXWELL RD***	***ENE 1/2 - 1 (0.908 mi.)***	***I31***	***141***

EXECUTIVE SUMMARY

Federal RCRA generators list

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

A review of the RCRA-LQG list, as provided by EDR, and dated 09/13/2017 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DRESSER-RAND REAPIR	1675 BRANDYWINE AVEN	ESE 1/8 - 1/4 (0.134 mi.)	C6	12

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 09/13/2017 has revealed that there are 6 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JO-BIE PRODUCTS COMP	***516 TALLOW CT***	***NNW 1/8 - 1/4 (0.132 mi.)***	***5***	***10***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CODE A PHONE CORP	***1675 BRANDYWINE AVE***	***ESE 1/8 - 1/4 (0.134 mi.)***	***C7***	***17***
FULLER FORD HONDA	***560 AUTO PARK DR***	***SSE 1/8 - 1/4 (0.139 mi.)***	***D11***	***38***
FORMER DARLING INTL	***4826 AUTO PARK DR***	***SE 1/8 - 1/4 (0.204 mi.)***	***G18***	***57***
KIDDIE KANDIDS #0060	4501 MAIN STREET	SW 1/8 - 1/4 (0.213 mi.)	F19	60
PEOPLES CHEVROLET	***580 AUTO PARK DR***	***SE 1/8 - 1/4 (0.213 mi.)***	***G20***	***62***

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 09/13/2017 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ANTEON CORPORATION	***1675 BRANDYWINE STE***	***ESE 1/8 - 1/4 (0.134 mi.)***	***C8***	***18***

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 10/30/2017 has revealed that there are 4 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OTAY SANITARY LANDFI Facility Id: 37490031 Status: Refer: RWQCB	OTAY VALLEY ROAD	ENE 1/2 - 1 (0.904 mi.)	I28	100
APPROPRIATE TECHNOLO Facility Id: 80001820 Facility Id: 37730291 Status: * Inactive Status: Refer: RCRA	***1700 MAXWELL RD***	***ENE 1/2 - 1 (0.908 mi.)***	***I30***	***114***

Lower Elevation	Address	Direction / Distance	Map ID	Page
VINCENT DAVIES PROPE Facility Id: 37730292 Status: Refer: Other Agency	***4501 OTAY VALLEY ROA***	***ESE 1/4 - 1/2 (0.382 mi.)***	***H24***	***92***
APACHE SERVICES Facility Id: 37500032 Status: Refer: RWQCB	***4551 OTAY VALLEY ROA***	***WSW 1/2 - 1 (0.765 mi.)***	***27***	***99***

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

CA SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the CA SWF/LF list, as provided by EDR, has revealed that there is 1 CA SWF/LF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHINOHARA II PROPERT Database: SWF/LF (SWIS), Date of Government Version: 11/13/2017 Facility ID: 37-CR-0075 Operational Status: Closed Regulation Status: Pre-regulations	S OF 4700 BLK. MAIN	S 1/4 - 1/2 (0.329 mi.)	22	90

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

CA SAN DIEGO CO. SAM: 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.

A review of the CA SAN DIEGO CO. SAM list, as provided by EDR, and dated 03/23/2010 has revealed that there are 2 CA SAN DIEGO CO. SAM sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC BELL	***490 OTAY VALLEY RD***	***SW 1/8 - 1/4 (0.145 mi.)***	***E13***	***48***
Case Number: H14060-001				
Facility Status: Closed Case				
SHELL	***4555 AUTO PARK DR***	***SW 1/8 - 1/4 (0.186 mi.)***	***E16***	***52***
Case Number: H02893-001				
Facility Status: Remedial Investigation				

CA LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA LUST list, as provided by EDR, has revealed that there are 3 CA LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC BELL	***490 OTAY VALLEY RD***	***SW 1/8 - 1/4 (0.145 mi.)***	***E13***	***48***
Database: LUST REG 9, Date of Government Version: 03/01/2001				
Database: LUST, Date of Government Version: 09/11/2017				
Status: Completed - Case Closed				
Closed Date: 2/14/91				
Status: Case Closed				
Global Id: T0607300404				
Case Number: 9UT1584				
SHELL	***4555 AUTO PARK DR***	***SW 1/8 - 1/4 (0.186 mi.)***	***E16***	***52***
Database: LUST, Date of Government Version: 09/11/2017				
Status: Completed - Case Closed				
Global Id: T0607367594				
ARCO	4430 OTAY VALLEY RD	WSW 1/4 - 1/2 (0.363 mi.)	23	91
Database: LUST, Date of Government Version: 09/11/2017				
Status: Completed - Case Closed				
Global Id: T0607313861				

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

A review of the CA SLIC list, as provided by EDR, has revealed that there are 2 CA SLIC sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRANDYWINE DISTRIBUT	1670 & 1690 BRANDYWI	ESE 0 - 1/8 (0.049 mi.)	A2	9
Database: SLIC, Date of Government Version: 09/11/2017 Facility Status: Completed - Case Closed Global Id: L10003764847				
VINCENT DAVIES PROPE	***4501 OTAY VALLEY ROA***	***ESE 1/4 - 1/2 (0.382 mi.)***	***H24***	***92***
Database: SLIC, Date of Government Version: 09/11/2017 Facility Status: Completed - Case Closed Global Id: T0608113999				

State and tribal registered storage tank lists

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, has revealed that there is 1 CA UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
S & L SHELL MART	4555 MAIN ST	SW 1/8 - 1/4 (0.177 mi.)	E14	51
Database: UST, Date of Government Version: 09/11/2017 Facility Id: H02893				

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, and dated 07/06/2016 has revealed that there are 3 CA AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FULLER FORD/HONDA	540/560 AUTO PARK DR	S 1/8 - 1/4 (0.138 mi.)	D9	20
FULLER FORD/KIA	***540 AUTO PARK DR***	***S 1/8 - 1/4 (0.138 mi.)***	***D10***	***21***
PEOPLES CHEVROLET	***580 AUTO PARK DR***	***SE 1/8 - 1/4 (0.213 mi.)***	***G20***	***62***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 08/21/2017 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DAVIES PROPERTY	NO ADDRESS	SSW 1/4 - 1/2 (0.400 mi.)	26	96

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

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

A review of the CA WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 CA WMUDS/SWAT site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BRANDYWINE DISTRIBUT	1670 & 1690 BRANDYWI	ESE 0 - 1/8 (0.017 mi.)	A1	8

Local Lists of Registered Storage Tanks

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

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

Lower Elevation	Address	Direction / Distance	Map ID	Page
HYSPAN PRECISION PRO Status: A Tank Status: A Comp Number: 19570	1685 BRANDYWINE AVE	SE 0 - 1/8 (0.109 mi.)	B3	9
PACIFIC BELL Status: A Comp Number: 14060	***490 OTAY VALLEY RD***	***SW 1/8 - 1/4 (0.145 mi.)***	***E13***	***48***
SHELL OIL INC Status: A Tank Status: A Comp Number: 2893	4555 OTAY VALLEYRD	SW 1/8 - 1/4 (0.183 mi.)	F15	51

CA HIST UST: Historical UST Registered Database.

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

Lower Elevation	Address	Direction / Distance	Map ID	Page
HYSPAN PRECISION PRO Facility Id: 00000002098	1685 BRANDYWINE AVE	SE 0 - 1/8 (0.109 mi.)	B4	10
OTAY VALLEY SHELL SV Facility Id: 00000044031	455 OTAY VALLEY RD	SW 1/8 - 1/4 (0.203 mi.)	F17	56

EXECUTIVE SUMMARY

Local Land Records

CA DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the CA DEED list, as provided by EDR, and dated 09/05/2017 has revealed that there is 1 CA DEED site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER OMAR RENDERIN	***1886 AUTO PARK PLACE***	***E 1/4 - 1/2 (0.251 mi.)***	***21***	***76***
Envirostor ID: L10003156547				

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2017 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYCHEM CORP	***1669 BRANDYWINE AVE***	***E 1/8 - 1/4 (0.142 mi.)***	***12***	***45***

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

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there are 2 CA BOND EXP. PLAN sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER OMAR RENDERIN	***1886 AUTO PARK PLACE***	***E 1/4 - 1/2 (0.251 mi.)***	***21***	***76***
APACHE SERVICES	***4551 OTAY VALLEY ROA***	***WSW 1/2 - 1 (0.765 mi.)***	***27***	***99***

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

A review of the CA Cortese list, as provided by EDR, and dated 09/21/2017 has revealed that there is 1 CA Cortese site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER OMAR RENDERIN	***1886 AUTO PARK PLACE***	***E 1/4 - 1/2 (0.251 mi.)***	***21***	***76***

EXECUTIVE SUMMARY

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

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 CA HIST CORTESE site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC BELL Reg Id: 9UT1584	***490 OTAY VALLEY RD***	***SW 1/8 - 1/4 (0.145 mi.)***	***E13***	***48***

CA HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the CA HWP list, as provided by EDR, and dated 08/21/2017 has revealed that there is 1 CA HWP site within approximately 1 mile of the target property.

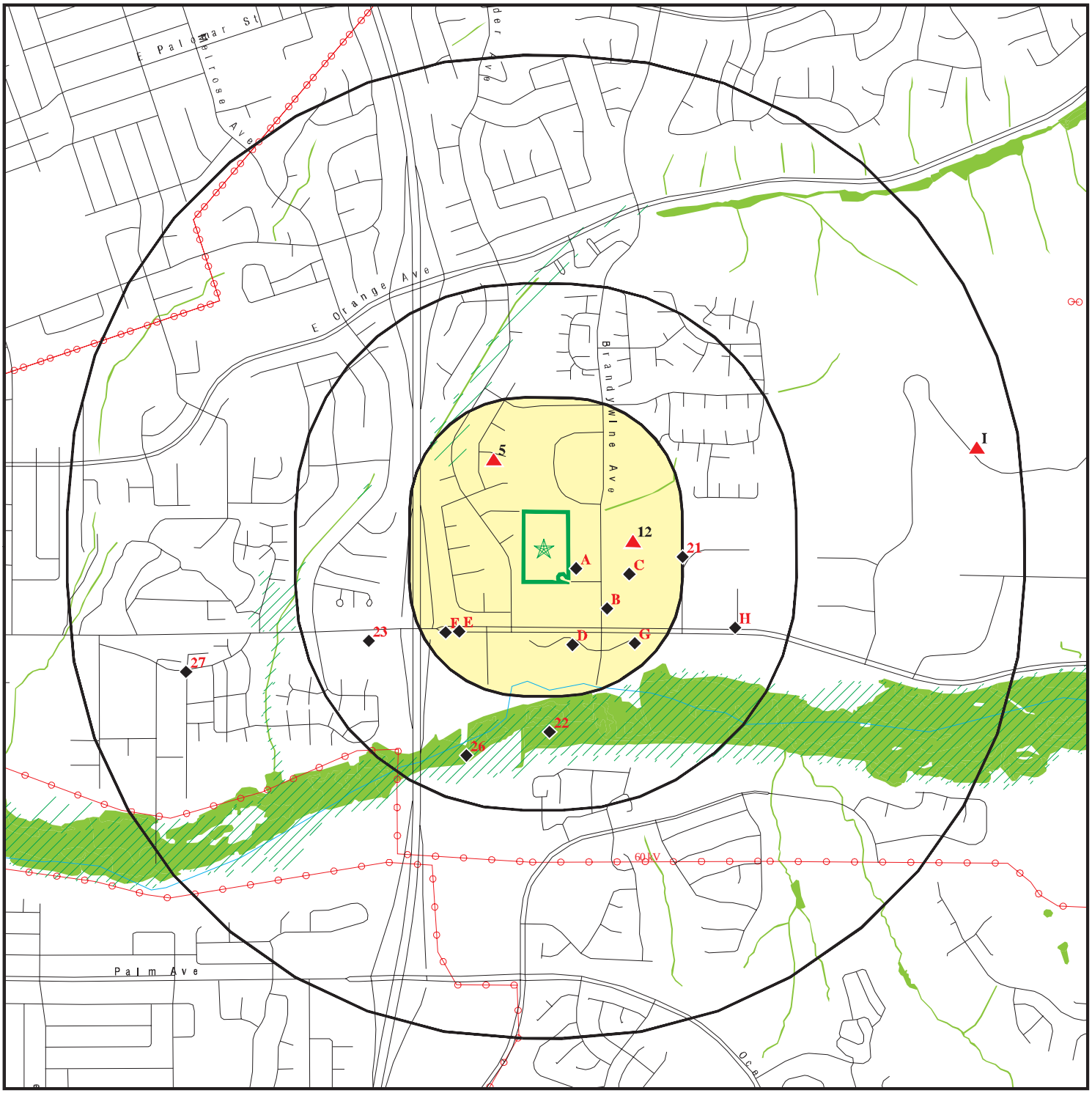
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLIED WASTE - OTAY EPA Id: CAT080010101 Cleanup Status: CLOSED	***1700 MAXWELL ROAD***	***ENE 1/2 - 1 (0.908 mi.)***	***I29***	***101***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
OTAY MESA CID DRUMS	SEMS
SHINOHARA II	CA SWF/LF
WALKER SCOTT PROPERTY	CA WMUDS/SWAT, CA San Diego Co. HMMD
PUBLIC STORAGE FACILITY	CA SAN DIEGO CO. SAM
ARCO	CA SAN DIEGO CO. SAM

OVERVIEW MAP - 5146125.2S



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

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

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: Industrial Land	CLIENT: Partner Engineering and Science, Inc.
ADDRESS: 517 Shinohara Lane Chula Vista CA 91911	CONTACT: Adrian Rivas
LAT/LONG: 32.597385 / 117.031519	INQUIRY #: 5146125.2s
	DATE: December 27, 2017 4:47 pm

DETAIL MAP - 5146125.2S

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

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

N

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: Industrial Land	CLIENT: Partner Engineering and Science, Inc.
ADDRESS: 517 Shinohara Lane Chula Vista CA 91911	CONTACT: Adrian Rivas
LAT/LONG: 32.597385 / 117.031519	INQUIRY #: 5146125.2s
	DATE: December 27, 2017 4:50 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								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	1	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		0	6	NR	NR	NR	6
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
CA RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CA ENVIROSTOR	1.000		0	0	1	3	NR	4
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.500		0	0	1	NR	NR	1
State and tribal leaking storage tank lists								
CA SAN DIEGO CO. SAM	0.500		0	2	0	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA LUST	0.500		0	2	1	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA SLIC	0.500		1	0	1	NR	NR	2
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		0	1	NR	NR	NR	1
CA AST	0.250		0	3	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	1	NR	NR	1
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		1	0	0	NR	NR	1
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	TP		NR	NR	NR	NR	NR	0
CA San Diego Co. HMMD	TP		NR	NR	NR	NR	NR	0
CA 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								
CA SWEEPS UST	0.250		1	2	NR	NR	NR	3
CA HIST UST	0.250		1	1	NR	NR	NR	2
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
CA LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	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
CA DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CA CHMIRS	TP		NR	NR	NR	NR	NR	0
CA LDS	TP		NR	NR	NR	NR	NR	0
CA MCS	TP		NR	NR	NR	NR	NR	0
CA SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	1	1	NR	2
CA Cortese	0.500		0	0	1	NR	NR	1
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
CA DRYCLEANERS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA EMI	TP		NR	NR	NR	NR	NR	0
CA ENF	TP		NR	NR	NR	NR	NR	0
CA Financial Assurance	TP		NR	NR	NR	NR	NR	0
CA HAZNET	TP		NR	NR	NR	NR	NR	0
CA ICE	TP		NR	NR	NR	NR	NR	0
CA HIST CORTESE	0.500		0	1	0	NR	NR	1
CA HWP	1.000		0	0	0	1	NR	1
CA HWT	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	0	NR	NR	NR	0
CA MINES	0.250		0	0	NR	NR	NR	0
CA MWMP	0.250		0	0	NR	NR	NR	0
CA NPDES	TP		NR	NR	NR	NR	NR	0
CA PEST LIC	TP		NR	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	0	0	NR	0
CA UIC	TP		NR	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
CA 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 Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
CA RGA LF	TP		NR	NR	NR	NR	NR	0
CA RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	4	21	9	6	0	40

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 ESE < 1/8 0.017 mi. 92 ft. | **BRANDYWINE DISTRIBUTION CENTER** | **CA WMUDS/SWAT** | **S103443331** | **N/A**

1670 & 1690 BRANDYWINE AVE
CHULA VISTA CA, CA 91911

Site 1 of 2 in cluster A

Relative: Lower

Actual: 165 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	PROCES
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	State
Agency Name:	CHULA VISTA INDUSTRIAL REALTY
Agency Department:	Not reported
Agency Address:	725 S FIGUEROA
Agency City,St,Zip:	LOS ANGELES CA 90017
Agency Contact:	DON BARRIG
Agency Telephone:	6194580943
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	9
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	2869
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	True
Regional Board Project Officer:	BKM
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Not reported

BRANDYWINE DISTRIBUTION CENTER (Continued) **S103443331**

Waste Discharge System ID: 9 000247N96
Solid Waste Information ID: Not reported

A2
ESE
< 1/8
0.049 mi.
261 ft.

BRANDYWINE DISTRIBUTION CENTER
1670 & 1690 BRANDYWINE AVE
CHULA VISTA, CA 91911

CA SLIC **S120762563**
N/A

Site 2 of 2 in cluster A

Relative:
Lower

Actual:
156 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/03/2017
Global Id:	L10003764847
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	32.5964775432941
Longitude:	-117.029746770859
Case Type:	Cleanup Program Site
Case Worker:	UNA
Local Agency:	Not reported
RB Case Number:	9 000247N96
File Location:	Regional Board
Potential Media Affected:	Indoor Air, Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Dichloroethene (DCE), Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Arsenic, Chromium, Copper, Lead, Mercury (elemental), Nickel, Other Metal, Zinc, Benzene, Xylene
Site History:	Recent review of the Soil & Ground- water Investigation Report dated May 1996 concluded that the soil beneath this location has not been impacted by pollutants originating from the property and that ground water has been impacted by pollutants, primarily volatile organic compounds (e.g. trichloroethylene). Based on the information provided, historical operations/activities conducted at this location were not the source of these pollutants and that the likely source is the Former Omar Rendering site immediately to the east and up gradient of this location. Using today's standards, ground-water samples collected in 1996, suggests a potential threat to indoor air. Collection of more recent ground-water data would help to verify if that potential threat exists twenty years later. Since this property appears to not be a source of pollution this case is administratively closed.

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

B3
SE
< 1/8
0.109 mi.
573 ft.

HYSPAN PRECISION PRODUCTS INC
1685 BRANDYWINE AVE
CHULA VISTA, CA 91911

CA SWEEPS UST **S102862245**
N/A

Site 1 of 2 in cluster B

Relative:
Lower

Actual:
146 ft.

SWEEPS UST:

Status:	Active
Comp Number:	19570
Number:	9
Board Of Equalization:	44-023037

HYSPAN PRECISION PRODUCTS INC (Continued) **S102862245**

Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-019570-000001
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	1

B4
SE
< 1/8
0.109 mi.
573 ft.

HYSPAN PRECISION PRODUCTS INC **CA HIST UST** **1000345124**
1685 BRANDYWINE AVE **N/A**
CHULA VISTA, CA 92011

Site 2 of 2 in cluster B

Relative:
Lower

Actual:
146 ft.

HIST UST:

File Number:	0002B114
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B114.pdf
Region:	STATE
Facility ID:	00000002098
Facility Type:	Other
Other Type:	MANUFACTURING
Contact Name:	WILLIAM T. AUSTIN, FACILITIES
Telephone:	6194211355
Owner Name:	DONALD R. HEYE
Owner Address:	3028 MCCALL
Owner City,St,Zip:	SAN DIEGO, CA 92106
Total Tanks:	0001
Tank Num:	001
Container Num:	001
Year Installed:	1983
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

5
NNW
1/8-1/4
0.132 mi.
697 ft.

JO-BIE PRODUCTS COMPANY **RCRA-SQG** **1000163373**
516 TALLOW CT **FINDS** **CAD080922529**
CHULA VISTA, CA 91911 **ECHO**

Relative:
Higher

Actual:
226 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	JO-BIE PRODUCTS COMPANY
Facility address:	516 TALLOW CT CHULA VISTA, CA 91911
EPA ID:	CAD080922529

JO-BIE PRODUCTS COMPANY (Continued) **1000163373**

Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	JOSEPH&EDUVIJES HAVERLAND
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
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

JO-BIE PRODUCTS COMPANY (Continued) **1000163373**

Used oil transporter: No

Historical Generators:
Date form received by agency: 08/05/1980
Site name: JO-BIE PRODUCTS COMPANY
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110006467867

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

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

ECHO:
Envid: 1000163373
Registry ID: 110006467867
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006467867

C6 **DRESSER-RAND REAPIR CENTER** **RCRA-LQG** **1007200720**
ESE **1675 BRANDYWINE AVENUE** **CAR000150854**
1/8-1/4 **CHULA VISTA, CA 91911**
0.134 mi.
706 ft. **Site 1 of 3 in cluster C**

Relative:
Lower

Actual:
154 ft.

RCRA-LQG:
Date form received by agency: 01/25/2006
Facility name: DRESSER-RAND REAPIR CENTER
Facility address: 1675 BRANDYWINE AVENUE
SUITE F
CHULA VISTA, CA 91911
EPA ID: CAR000150854
Contact: TIMOTHY J HILL
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 619-656-4740
Contact email: TIMOTHY_J_HILL@DRESSER-RAND
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous

DRESSER-RAND REAPIR CENTER (Continued) **1007200720**

waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	DRESSER RAND CO
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2004
Owner/Op end date:	Not reported
Owner/operator name:	YALE CO
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2004
Owner/Op end date:	Not reported
Owner/operator name:	DRESSER-RAND
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2003
Owner/Op end date:	Not reported
Owner/operator name:	DRESSER-RAND
Owner/operator address:	PAUL CLARK DRIVE
	OLEAN, NY 14760
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private

DRESSER-RAND REAPIR CENTER (Continued) **1007200720**

Owner/Operator Type: Owner
Owner/Op start date: 01/01/2003
Owner/Op end date: Not reported

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

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

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

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 342
. Waste name: Organic liquids with metals (see 121)

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

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018

DRESSER-RAND REAPIR CENTER (Continued) **1007200720**

. Waste name: BENZENE

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D036
. Waste name: NITROBENZENE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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

Historical Generators:
Date form received by agency: 02/09/2004
Site name: DRESSER RAND COMPANY
Classification: Small Quantity Generator

DRESSER-RAND REAPIR CENTER (Continued) **1007200720**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/11/2006
Date achieved compliance: 02/01/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/11/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/06/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/11/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/01/2006

DRESSER-RAND REAPIR CENTER (Continued) **1007200720**

Evaluation lead agency: Local

C7
ESE
1/8-1/4
0.134 mi.
706 ft.

CODE A PHONE CORP
1675 BRANDYWINE AVE STE B
CHULA VISTA, CA 91911

RCRA-SQG **1000978278**
FINDS **CA0001000991**
ECHO
CA HAZNET

Site 2 of 3 in cluster C

Relative:
Lower

Actual:
154 ft.

RCRA-SQG:

Date form received by agency:	01/06/1995
Facility name:	CODE A PHONE CORP
Facility address:	1675 BRANDYWINE AVE STE B CHULA VISTA, CA 91911-8944
EPA ID:	CA0001000991
Mailing address:	BRANDYWINE AVE STE B CHULA VISTA, CA 91911-8944
Contact:	BASIL DIXON
Contact address:	1675 BRANDYWINE AVE STE B CHULA VISTA, CA 91911-8944
Contact country:	US
Contact telephone:	619-421-7937
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CODE A PHONE CORP
Owner/operator address:	16277 SE 130TH AVE CLACKAMAS, OR 97015
Owner/operator country:	Not reported
Owner/operator telephone:	503-655-8940
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

CODE A PHONE CORP (Continued) **1000978278**

Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002622350

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

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

ECHO:
Envid: 1000978278
Registry ID: 110002622350
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002622350

HAZNET:
envid: 1000978278
Year: 1995
GEPAID: CA0001000991
Contact: CODE A PHONE CORP
Telephone: 6194217937
Mailing Name: Not reported
Mailing Address: 1675 BRANDYWINE AVE STE B
Mailing City,St,Zip: CHULA VISTA, CA 919110000
Gen County: Not reported
TSD EPA ID: CAD088504881
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: 1.5428
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

C8 **ANTEON CORPORATION** **RCRA-CESQG** **1004677590**
ESE **1675 BRANDYWINE STE A** **FINDS** **CAR000099267**
1/8-1/4 **CHULA VISTA, CA 91911** **ECHO**
0.134 mi.
706 ft. **Site 3 of 3 in cluster C**

Relative:
Lower

Actual:
154 ft.

RCRA-CESQG:
Date form received by agency: 07/02/2001
Facility name: ANTEON CORPORATION
Facility address: 1675 BRANDYWINE STE A
CHULA VISTA, CA 91911
EPA ID: CAR000099267

ANTEON CORPORATION (Continued) **1004677590**

Contact:	VELDA SMITH
Contact address:	1675 BRANDYWINE STE A CHULA VISTA, CA 91911
Contact country:	US
Contact telephone:	619-881-8918
Contact email:	Not reported
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:	ANTEON CORP
Owner/operator address:	3211 JERMANTOWN RD STE 200 FAIRFAX, VA 22030
Owner/operator country:	Not reported
Owner/operator telephone:	703-246-0200
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

. Waste code:	D001
. Waste name:	IGNITABLE WASTE

ANTEON CORPORATION (Continued) **1004677590**

Violation Status: No violations found

FINDS:

Registry ID: 110012202892

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

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

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

ECHO:
Envid: 1004677590
Registry ID: 110012202892
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110012202892

D9 South 1/8-1/4 0.138 mi. 727 ft. | **FULLER FORD/HONDA** | **CA AST** | **A100345769**
540/560 AUTO PARK DR | **N/A**
CHULA VISTA, CA

Site 1 of 3 in cluster D

Relative: Lower

Actual: 130 ft.

AST:

Certified Unified Program Agencies:	San Diego
Owner:	DOUGLAS FULLER
Total Gallons:	2975
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported

FULLER FORD/HONDA (Continued) **A100345769**

Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

D10
South
1/8-1/4
0.138 mi.
727 ft.

FULLER FORD/KIA **CA AST** **S106064374**
540 AUTO PARK DR **CA San Diego Co. HMMD** **N/A**
CHULA VISTA, CA 91911

Site 2 of 3 in cluster D

Relative:
Lower

Actual:
130 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	Douglas Fuller
Total Gallons:	Not reported
CERSID:	10358875
Facility ID:	37-000-134845
Business Name:	FULLER FORD/KIA
Phone:	619-656-2500
Fax:	Not reported
Mailing Address:	560 AUTO PARK DR
Mailing Address City:	CHULA VISTA
Mailing Address State:	CA
Mailing Address Zip Code:	91911
Operator Name:	Marty Meador
Operator Phone:	619-656-2500
Owner Phone:	619-656-2500
Owner Mail Address:	560 AUTO PARK DR
Owner State:	CA
Owner Zip Code:	91911
Owner Country:	United States
Property Owner Name:	D G F FAMILY LTD PARTNERSHIP
Property Owner Phone:	Not reported
Property Owner Mailing Address:	560 AUTO PARK DR
Property Owner City:	CHULA VISTA
Property Owner Stat :	CA
Property Owner Zip Code:	91911
Property Owner Country:	United States
EPAID:	CAR000003897

HMMD SAN DIEGO:

Permit Number:	134845
Business Type:	6HK31
EPA Id Number:	CAR000003897
APN:	644-042-04-00
Last HMMD Inspection:	07/13/2010
Facility Telephone:	619-656-2500
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DOUGLAS FULLER
Facility Mailing Address:	560 AUTO PARK DR
Facility Mailing City:	CHULA VISTA
Facility Mailing State:	CA
Facility Mailing Zip:	91911
UST Owner:	Not reported
Handle Regulated Hazmat:	Y

FULLER FORD/KIA (Continued) **S106064374**

Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):

Permit Number: 134845
Update Date: 11/02/2012
Case Number: 7740-59-7
Name: HELIUM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 134845
Update Date: 11/02/2012
Case Number: MIXTURE
Name: LIQUID CAR WASH CONCENTRATE P-181F
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: 647426-65-0
Name: LUBRICATING FLUID (BASE LUBRICATING OIL)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 134845
Update Date: 11/02/2012
Case Number: MIXTURE
Name: SOAP-DETAIL CHEMICALS/CASTROL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 133 AQUEOUS SOL'N W/ 10% ORG RESID
Other Information: PARTS CLEANER CLEANING SOLUTION
Material Waste: Waste

FULLER FORD/KIA (Continued) **S106064374**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: BRAKE WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: WASTE GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: SLUDGE (OIL&WATER)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY RAGS/SATURATED ABSORBENTS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: USED ETHYLENE GLYCOL/COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

FULLER FORD/KIA (Continued) **S106064374**

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: CRUSHED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV1015
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Did not have adequate employee training program 2732 &/or 25504(c)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0223
Violation: MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation: Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007

FULLER FORD/KIA (Continued) **S106064374**

Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	04/03/2007
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE
Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	04/03/2007
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	04/03/2007
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	04/03/2007
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	01/12/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	01/12/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)

FULLER FORD/KIA (Continued) **S106064374**

Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 01/12/2004
Violation Code: 6HV0207
Violation: FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation: Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 01/12/2004
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 01/12/2004
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 09/08/2005
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 09/08/2005
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 09/08/2005
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

FULLER FORD/KIA (Continued) **S106064374**

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	09/08/2005
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

Permit Number:	134845
Business Type:	6HK31
EPA Id Number:	CAR000003897
APN:	644-042-04-00
Last HMMD Inspection:	07/13/2010
Facility Telephone:	619-656-2500
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DOUGLAS FULLER
Facility Mailing Address:	560 AUTO PARK DR
Facility Mailing City:	CHULA VISTA
Facility Mailing State:	CA
Facility Mailing Zip:	91911
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	134845
Update Date:	11/02/2012
Case Number:	7740-59-7
Name:	HELIUM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	134845
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	LIQUID CAR WASH CONCENTRATE P-181F
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	134845
Update Date:	11/02/2012
Case Number:	647426-65-0
Name:	LUBRICATING FLUID (BASE LUBRICATING OIL)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE

FULLER FORD/KIA (Continued) **S106064374**

Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 134845
Update Date: 11/02/2012
Case Number: MIXTURE
Name: SOAP-DETAIL CHEMICALS/CASTROL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 133 AQUEOUS SOL'N W/ 10% ORG RESID
Other Information: PARTS CLEANER CLEANING SOLUTION
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: BRAKE WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: WASTE GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845

FULLER FORD/KIA (Continued) **S106064374**

Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: SLUDGE (OIL&WATER)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY RAGS/SATURATED ABSORBENTS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: USED ETHYLENE GLYCOL/COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: CRUSHED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV1015
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Did not have adequate employee training program 2732 &/or 25504(c)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0216

FULLER FORD/KIA (Continued) **S106064374**

Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0223
Violation: MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation: Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0232
Violation: HW CONTAINER IN POOR CONDITION
Violation Citation: Waste accumulated in a container in poor condition. CFR 265.171
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

FULLER FORD/KIA (Continued) **S106064374**

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	04/03/2007
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	01/12/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	01/12/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	01/12/2004
Violation Code:	6HV0207
Violation:	FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation:	Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	01/12/2004
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	01/12/2004
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE

Permit Number:	134845

FULLER FORD/KIA (Continued) **S106064374**

Update Date:	11/02/2012
Inspection Date:	09/08/2005
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	09/08/2005
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	09/08/2005
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	09/08/2005
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

Permit Number:	134845
Business Type:	6HK31
EPA Id Number:	CAR000003897
APN:	644-042-04-00
Last HMMD Inspection:	07/13/2010
Facility Telephone:	619-656-2500
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DOUGLAS FULLER
Facility Mailing Address:	560 AUTO PARK DR
Facility Mailing City:	CHULA VISTA
Facility Mailing State:	CA
Facility Mailing Zip:	91911
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported

FULLER FORD/KIA (Continued) **S106064374**

Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):

Permit Number: 134845
Update Date: 11/02/2012
Case Number: 7740-59-7
Name: HELIUM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 134845
Update Date: 11/02/2012
Case Number: MIXTURE
Name: LIQUID CAR WASH CONCENTRATE P-181F
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: 647426-65-0
Name: LUBRICATING FLUID (BASE LUBRICATING OIL)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 134845
Update Date: 11/02/2012
Case Number: MIXTURE
Name: SOAP-DETAIL CHEMICALS/CASTROL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 133 AQUEOUS SOL'N W/ 10% ORG RESID
Other Information: PARTS CLEANER CLEANING SOLUTION
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845

FULLER FORD/KIA (Continued) **S106064374**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	BRAKE WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	134845
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	WASTE GASOLINE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	134845
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	134845
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information:	SLUDGE (OIL&WATER)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	134845
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY RAGS/SATURATED ABSORBENTS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	134845
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	USED ETHYLENE GLYCOL/COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	134845
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES

FULLER FORD/KIA (Continued) **S106064374**

Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 134845
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: CRUSHED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV1015
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Did not have adequate employee training program 2732 &/or 25504(c)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0223
Violation: MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation: Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 04/03/2007
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

FULLER FORD/KIA (Continued) **S106064374**

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	04/03/2007
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	04/03/2007
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	04/03/2007
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	04/03/2007
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	01/12/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	01/12/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	134845
Update Date:	11/02/2012
Inspection Date:	01/12/2004

FULLER FORD/KIA (Continued) **S106064374**

Violation Code: 6HV0207
Violation: FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation: Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 01/12/2004
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 01/12/2004
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 09/08/2005
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 09/08/2005
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 09/08/2005
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 134845
Update Date: 11/02/2012
Inspection Date: 09/08/2005
Violation Code: 6HV1605

FULLER FORD/KIA (Continued) **S106064374**

Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

D11 SSE 1/8-1/4 0.139 mi. 736 ft.

FULLER FORD HONDA
560 AUTO PARK DR
CHULA VISTA, CA 91911

Site 3 of 3 in cluster D

RCRA-SQG 1001023038
FINDS CAR000003897
ECHO
CA EMI
CA HAZNET

Relative: Lower

Actual: 130 ft.

RCRA-SQG:
Date form received by agency: 06/27/1995
Facility name: FULLER FORD HONDA
Facility address: 560 AUTO PARK DR
CHULA VISTA, CA 91911
EPA ID: CAR000003897
Mailing address: AUTO PARK DR
CHULA VISTA, CA 91911
Contact: ANDY PAREDES
Contact address: 540 AUTO PARK DR
CHULA VISTA, CA 91911
Contact country: US
Contact telephone: 619-656-2500
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: DOUGLAS FULLER
Owner/operator address: 540 AUTO PARK DR
CHULA VISTA, CA 91911
Owner/operator country: Not reported
Owner/operator telephone: 619-656-2500
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

FULLER FORD HONDA (Continued) **1001023038**

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

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/12/2004
Date achieved compliance: 01/12/2004
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/12/2004
Date achieved compliance: 01/22/2004
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/12/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/22/2004
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 01/12/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/12/2004
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002906785

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART)

FULLER FORD HONDA (Continued) **1001023038**

provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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

HAZARDOUS AIR POLLUTANT MAJOR

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

ECHO:

Envid:	1001023038
Registry ID:	110002906785
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002906785

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	94014
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	94014
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

FULLER FORD HONDA (Continued) **1001023038**

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	94014
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	94014
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	94014
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	94014
Air District Name:	SD
SIC Code:	7532

FULLER FORD HONDA (Continued) **1001023038**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.05376546
Reactive Organic Gases Tons/Yr:	0.9718977
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	94014
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.05376546
Reactive Organic Gases Tons/Yr:	.9718977
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	94014
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.69
Reactive Organic Gases Tons/Yr:	.66
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	94014
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.69
Reactive Organic Gases Tons/Yr:	.66
Carbon Monoxide Emissions Tons/Yr:	0

FULLER FORD HONDA (Continued) **1001023038**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	94014
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.69
Reactive Organic Gases Tons/Yr:	.66
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	94014
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.68999999999999995
Reactive Organic Gases Tons/Yr:	0.66000000000000003
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	94014
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.68999999999999995
Reactive Organic Gases Tons/Yr:	0.66000000000000003
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

FULLER FORD HONDA (Continued) **1001023038**

HAZNET:

envid:	1001023038
Year:	2016
GEPAID:	CAR000003897
Contact:	DAVID WARD
Telephone:	6196563317
Mailing Name:	Not reported
Mailing Address:	560 AUTO PARK DR
Mailing City,St,Zip:	CHULA VISTA, CA 919116026
Gen County:	San Diego
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0415
Cat Decode:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego

envid:	1001023038
Year:	2016
GEPAID:	CAR000003897
Contact:	DAVID WARD
Telephone:	6196563317
Mailing Name:	Not reported
Mailing Address:	560 AUTO PARK DR
Mailing City,St,Zip:	CHULA VISTA, CA 919116026
Gen County:	San Diego
TSD EPA ID:	AZR000515924
TSD County:	99
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.075
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego

envid:	1001023038
Year:	2016
GEPAID:	CAR000003897
Contact:	DAVID WARD
Telephone:	6196563317
Mailing Name:	Not reported
Mailing Address:	560 AUTO PARK DR
Mailing City,St,Zip:	CHULA VISTA, CA 919116026
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.374
Cat Decode:	Unspecified organic liquid mixture

FULLER FORD HONDA (Continued) **1001023038**

Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: San Diego

envid: 1001023038
Year: 2016
GEPAID: CAR000003897
Contact: DAVID WARD
Telephone: 6196563317
Mailing Name: Not reported
Mailing Address: 560 AUTO PARK DR
Mailing City,St,Zip: CHULA VISTA, CA 919116026
Gen County: San Diego
TSD EPA ID: CAT000613976
TSD County: Orange
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.6636
Cat Decode: Aqueous solution with total organic residues less than 10 percent
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

envid: 1001023038
Year: 2015
GEPAID: CAR000003897
Contact: DAVID WARD
Telephone: 6196563317
Mailing Name: Not reported
Mailing Address: 560 AUTO PARK DR
Mailing City,St,Zip: CHULA VISTA, CA 919116026
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.1251
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

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

12
East
1/8-1/4
0.142 mi.
751 ft.

RAYCHEM CORP
1669 BRANDYWINE AVE STE A
CHULA VISTA, CA 91911

RCRA NonGen / NLR **1000819257**
FINDS **CAD983652314**
ECHO
CA HAZNET

Relative:
Higher

Actual:
208 ft.

RCRA NonGen / NLR:
Date form received by agency: 06/28/2001
Facility name: RAYCHEM CORP
Facility address: 1669 BRANDYWINE AVE STE A
CHULA VISTA, CA 91911
EPA ID: CAD983652314

RAYCHEM CORP (Continued) **1000819257**

Contact: MARTIN ORIGUEL
Contact address: 1675 BRANDYWINE AVE STE C
CHULA VISTA, CA 91911
Contact country: US
Contact telephone: 619-424-4237
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: SUDBERRY PROPERTIES
Owner/operator address: 4350 LA JOLLA VILLAGE DR 210
SAN DIEGO, CA 92122
Owner/operator country: Not reported
Owner/operator telephone: 619-546-5151
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

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

Violation Status: No violations found

FINDS:

Registry ID: 110002887298

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.

RAYCHEM CORP (Continued) **1000819257**

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

ECHO:

Envid:	1000819257
Registry ID:	110002887298
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002887298

HAZNET:

envid:	1000819257
Year:	1999
GEPAID:	CAD983652314
Contact:	RAYCHEM CORP
Telephone:	6503613333
Mailing Name:	Not reported
Mailing Address:	300 CONSTITUTION DRIVE MS 106/2B
Mailing City,St,Zip:	MENLO PARK, CA 940251140
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Disposal, Other
Tons:	.3753
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	1000819257
Year:	1998
GEPAID:	CAD983652314
Contact:	RAYCHEM CORP
Telephone:	6503613333
Mailing Name:	Not reported
Mailing Address:	300 CONSTITUTION DRIVE MS 106/2B
Mailing City,St,Zip:	MENLO PARK, CA 940251140
Gen County:	Not reported
TSD EPA ID:	CAT080014079
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Transfer Station
Tons:	1.2500
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	1000819257
Year:	1998
GEPAID:	CAD983652314
Contact:	RAYCHEM CORP
Telephone:	6503613333
Mailing Name:	Not reported
Mailing Address:	300 CONSTITUTION DRIVE MS 106/2B
Mailing City,St,Zip:	MENLO PARK, CA 940251140
Gen County:	Not reported
TSD EPA ID:	CAT080014079

RAYCHEM CORP (Continued) **1000819257**

TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Transfer Station
Tons:	.2000
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	1000819257
Year:	1998
GEPAID:	CAD983652314
Contact:	RAYCHEM CORP
Telephone:	6503613333
Mailing Name:	Not reported
Mailing Address:	300 CONSTITUTION DRIVE MS 106/2B
Mailing City,St,Zip:	MENLO PARK, CA 940251140
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Recycler
Tons:	.4000
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	1000819257
Year:	1997
GEPAID:	CAD983652314
Contact:	RAYCHEM CORP
Telephone:	6503613333
Mailing Name:	Not reported
Mailing Address:	300 CONSTITUTION DRIVE MS 106/2B
Mailing City,St,Zip:	MENLO PARK, CA 940251140
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Other empty containers 30 gallons or more
Disposal Method:	Transfer Station
Tons:	.2000
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

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

E13 **PACIFIC BELL** **CA LUST** **1000250089**
SW **490 OTAY VALLEY RD** **CA SAN DIEGO CO. SAM** **N/A**
1/8-1/4 **CHULA VISTA, CA 91911** **CA SWEEPS UST**
0.145 mi. **CA HIST CORTESE**
763 ft. **Site 1 of 3 in cluster E**

Relative:
Lower

Actual:
137 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300404
Global Id:	T0607300404

PACIFIC BELL (Continued) **1000250089**

Latitude: 32.5793785288964
Longitude: -117.000166717794
Status: Completed - Case Closed
Status Date: 02/22/1991
Case Worker: Not reported
RB Case Number: 9UT1584
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H14060-001
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0607300404
Action Type: Other
Date: 11/08/1989
Action: Leak Reported

Global Id: T0607300404
Action Type: Other
Date: 11/08/1989
Action: Leak Stopped

Global Id: T0607300404
Action Type: Other
Date: 11/08/1989
Action: Leak Began

Global Id: T0607300404
Action Type: Other
Date: 11/08/1989
Action: Leak Discovery

LUST:
Global Id: T0607300404
Status: Completed - Case Closed
Status Date: 02/22/1991

Global Id: T0607300404
Status: Open - Case Begin Date
Status Date: 11/08/1989

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1584
Local Case: H14060-001
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: No Action Required - incident is minor, requiring no remedial action
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Unknown

PACIFIC BELL (Continued) **1000250089**

Lead Agency: Local Agency
Case Type: Soil only
Date Found: 11/28/1989
Date Stopped: 11/08/1989
Confirm Date: 11/28/1989
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 11/21/1989
Enforce Date: Not reported
Closed Date: 2/14/91
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 910.20
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H14060-001
Agency: DEH Site Assessment & Mitigation
Funding: LOP - State Fund
Facility Type: Soils Only
Facility Status: Closed Case
Date: 2/22/1991
Date Began: 11/8/1989

SWEEPS UST:
Status: Not reported
Comp Number: 14060
Number: Not reported
Board Of Equalization: 44-001027
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014060-000001
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 1

Status: Active
Comp Number: 14060
Number: 9

PACIFIC BELL (Continued) **1000250089**

Board Of Equalization: 44-001027
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1584

E14 SW 1/8-1/4 0.177 mi. 936 ft. | **S & L SHELL MART** | **CA UST** | **U003941434**
4555 MAIN ST | **N/A**
CHULA VISTA, CA 91911

Site 2 of 3 in cluster E

Relative: Lower
Actual: 140 ft.

UST:
Facility ID: H02893
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.5957496
Longitude: -117.0334027

F15 SW 1/8-1/4 0.183 mi. 965 ft. | **SHELL OIL INC** | **CA SWEEPS UST** | **S106932098**
4555 OTAY VALLEYRD | **N/A**
CHULA VISTA, CA 91911

Site 1 of 3 in cluster F

Relative: Lower
Actual: 139 ft.

SWEEPS UST:
Status: Active
Comp Number: 2893
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002893-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

SHELL OIL INC (Continued) **S106932098**

Status:	Active
Comp Number:	2893
Number:	9
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002893-000002
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2893
Number:	9
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002893-000003
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

E16
SW
1/8-1/4
0.186 mi.
982 ft.

SHELL **CA LUST** **S106874378**
4555 AUTO PARK DR **CA SAN DIEGO CO. SAM** **N/A**
CHULA VISTA, CA 91911

Site 3 of 3 in cluster E

Relative:
Lower

Actual:
134 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607367594
Global Id:	T0607367594
Latitude:	32.5945590185637
Longitude:	-117.034649848938
Status:	Completed - Case Closed
Status Date:	08/30/2012
Case Worker:	JS
RB Case Number:	Not reported
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H02893-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	The Site is an active service station consisting of three fuel underground storage tanks (USTs), four fuel dispenser islands with

SHELL (Continued) **S106874378**

associated product piping, and a station building. On December 12, 2002, four 10,000-gallon USTs, five dispenser islands, and associated product piping were removed. Wayne Perry collected fourteen soil samples from beneath the dispenser islands and USTs during upgrade activities. Petroleum hydrocarbon contamination was detected in soil and unauthorized release case H02893-001 was opened by the Department of Environmental Health (DEH) in March 2003. No benzene concentrations and low concentrations of toluene, ethylbenzene and xylene were detected in soil at the Site. The main constituents of concern in soil at the Site are methyl tertiary butyl ether (MTBE) and tertiary butyl ether (TBA). Distribution of soil contamination is mostly localized around the UST cavity. There is no remaining residual total petroleum hydrocarbon-impacted soil that is above 100 mg/kg. Nine groundwater monitoring wells have been installed at the Site. Groundwater was monitored and sampled between December 2003 and January 2012. No liquid-phase hydrocarbons have been present in groundwater since sampling began in December 2003. The dissolved-phase groundwater plume is adequately assessed. Groundwater impacts include dissolved total petroleum hydrocarbons as gasoline (TPHg), MTBE and TBA. The dissolved phase groundwater plume is centered on well MW-3 and is mostly contained onsite. The dissolved plume is stable and the overall mass of impacts is decreasing. The environmental consultant analyzed the trends for MTBE and TBA. The analysis indicates that MTBE and TBA in groundwater will drop below their water quality objectives by 2049 and 2040, respectively. The DEH vapor risk model was utilized to evaluate the potential human health risk associated with soil vapor intrusion to Site building occupants and to the offsite Soup Plantation building workers (on the adjacent property to the east). Based on the model results, vapor from soil and groundwater contamination does not pose a vapor inhalation risk to the occupants of both buildings. A Corrective Action Plan (CAP) was submitted on October 21, 2011. The CAP concludes that the most appropriate remedial option is no further action with regulatory case closure. The Public Participation process for the CAP was completed. The public comment period ended on March 23, 2012. DEH received no comments. According to the environmental consultants registered professional, the Site presents no significant risk to human health and the environment. DEH concurs with this conclusion.

LUST:

Global Id:	T0607367594
Contact Type:	Local Agency Caseworker
Contact Name:	JON SENAHA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	jon.senaha@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607367594
Action Type:	ENFORCEMENT
Date:	03/13/2003
Action:	Notice of Responsibility
Global Id:	T0607367594

SHELL (Continued) **S106874378**

Action Type: ENFORCEMENT
Date: 04/06/2010
Action: Notice of Responsibility

Global Id: T0607367594
Action Type: RESPONSE
Date: 04/03/2009
Action: Monitoring Report - Quarterly

Global Id: T0607367594
Action Type: ENFORCEMENT
Date: 01/24/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607367594
Action Type: ENFORCEMENT
Date: 01/19/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607367594
Action Type: ENFORCEMENT
Date: 07/25/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607367594
Action Type: Other
Date: 02/26/2003
Action: Leak Reported

Global Id: T0607367594
Action Type: RESPONSE
Date: 05/26/2009
Action: Monitoring Report - Quarterly

Global Id: T0607367594
Action Type: RESPONSE
Date: 03/27/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607367594
Action Type: RESPONSE
Date: 09/03/2010
Action: Site Assessment Report

Global Id: T0607367594
Action Type: RESPONSE
Date: 10/29/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607367594
Action Type: ENFORCEMENT
Date: 07/18/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607367594
Action Type: Other
Date: 12/12/2002

SHELL (Continued) **S106874378**

Action: Leak Discovery

Global Id: T0607367594
Action Type: RESPONSE
Date: 04/27/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607367594
Action Type: ENFORCEMENT
Date: 07/18/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607367594
Action Type: ENFORCEMENT
Date: 07/18/2012
Action: Notice of Responsibility

Global Id: T0607367594
Action Type: ENFORCEMENT
Date: 08/30/2012
Action: Closure/No Further Action Letter

Global Id: T0607367594
Action Type: RESPONSE
Date: 09/21/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607367594
Action Type: RESPONSE
Date: 04/29/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607367594
Action Type: ENFORCEMENT
Date: 07/14/2009
Action: Letter - Notice

Global Id: T0607367594
Action Type: Other
Date: 03/04/2003
Action: Leak Stopped

Global Id: T0607367594
Action Type: RESPONSE
Date: 10/09/2009
Action: Monitoring Report - Quarterly

Global Id: T0607367594
Action Type: Other
Date: 12/12/2002
Action: Leak Began

Global Id: T0607367594
Action Type: RESPONSE
Date: 02/15/2012
Action: CAP/RAP - Other Report

SHELL (Continued) **S106874378**

Global Id: T0607367594
Action Type: RESPONSE
Date: 03/29/2012
Action: Correspondence

Global Id: T0607367594
Action Type: RESPONSE
Date: 10/21/2011
Action: CAP/RAP - Other Report - Regulator Responded

LUST:
Global Id: T0607367594
Status: Completed - Case Closed
Status Date: 08/30/2012

Global Id: T0607367594
Status: Open - Case Begin Date
Status Date: 12/12/2002

Global Id: T0607367594
Status: Open - Remediation
Status Date: 09/28/2004

Global Id: T0607367594
Status: Open - Site Assessment
Status Date: 05/12/2009

SAN DIEGO CO. SAM:
Case Number: H02893-001
Agency: DEH Site Assessment & Mitigation
Funding: LOP - State Fund
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 9/28/2004
Date Began: 12/12/2002

F17 **OTAY VALLEY SHELL SVC INC** **CA HIST UST** **U001571104**
SW **455 OTAY VALLEY RD** **N/A**
1/8-1/4 **CHULA VISTA, CA 92011**
0.203 mi.
1071 ft. **Site 2 of 3 in cluster F**

Relative:
Lower

Actual:
139 ft.

HIST UST:
File Number: 0002F314
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F314.pdf
Region: STATE
Facility ID: 00000044031
Facility Type: Gas Station
Other Type: Not reported
Contact Name: SAME
Telephone: 6194216953
Owner Name: SHELL OIL COMPANY
Owner Address: P.O. BOX 4848
Owner City,St,Zip: ANAHEIM, CA 92803
Total Tanks: 0003

OTAY VALLEY SHELL SVC INC (Continued) **U001571104**

Tank Num:	001
Container Num:	1
Year Installed:	1978
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10

Tank Num:	002
Container Num:	2
Year Installed:	1978
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10

Tank Num:	003
Container Num:	3
Year Installed:	1978
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, Groundwater Monitoring Well, 10

Click here for Geo Tracker PDF:

G18 **FORMER DARLING INTL OMAR RENDERING SITE** **RCRA-SQG** **1007117610**
SE **4826 AUTO PARK DR** **CA HAZNET** **CAR000150185**
1/8-1/4 **CHULA VISTA, CA 91911**
0.204 mi.
1077 ft. **Site 1 of 2 in cluster G**

Relative:
Lower

Actual:
127 ft.

RCRA-SQG:

Date form received by agency:	01/15/2004
Facility name:	FORMER DARLING INTL OMAR RENDERING SITE
Facility address:	4826 AUTO PARK DR CHULA VISTA, CA 91911
EPA ID:	CAR000150185
Mailing address:	9201 E DRY CREEK RD CENTENNIAL, CO 80112
Contact:	STEVE M CHANDLER
Contact address:	9201 E DRY CREEK RD CENTENNIAL, CO 80112
Contact country:	US
Contact telephone:	949-660-7545
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

FORMER DARLING INTL OMAR RENDERING SITE (Continued) **1007117610**

Owner/Operator Summary:

Owner/operator name:	OTAY MESA VENTURES II LLC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/29/1999
Owner/Op end date:	Not reported

Owner/operator name:	KNOWLTON REALTY ADVISORS LLC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	08/22/2003
Owner/Op end date:	Not reported

Handler Activities Summary:

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

. Waste code: D008
. Waste name: LEAD

Historical Generators:

Date form received by agency:	01/15/2004
Site name:	FORMER DARLING INTL OMAR RENDERING SITE
Classification:	Small Quantity Generator
Violation Status:	No violations found

HAZNET:
envid: 1007117610

FORMER DARLING INTL OMAR RENDERING SITE (Continued) **1007117610**

Year:	2013
GEPAID:	CAR000150185
Contact:	MATTHEW CURTIS
Telephone:	9496607545
Mailing Name:	Not reported
Mailing Address:	1230 COLUMBIA ST STE 1200
Mailing City,St,Zip:	SAN DIEGO, CA 921018517
Gen County:	San Diego
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.336
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported

envid:	1007117610
Year:	2011
GEPAID:	CAR000150185
Contact:	STEVE CHANDLER
Telephone:	9496607545
Mailing Name:	Not reported
Mailing Address:	1230 COLUMBIA ST STE 1200
Mailing City,St,Zip:	SAN DIEGO, CA 921018517
Gen County:	Not reported
TSD EPA ID:	ARD981057870
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.357
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	1007117610
Year:	2011
GEPAID:	CAR000150185
Contact:	STEVE CHANDLER
Telephone:	9496607545
Mailing Name:	Not reported
Mailing Address:	1230 COLUMBIA ST STE 1200
Mailing City,St,Zip:	SAN DIEGO, CA 921018517
Gen County:	Not reported
TSD EPA ID:	ARD981057870
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.357
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	1007117610
Year:	2010
GEPAID:	CAR000150185

FORMER DARLING INTL OMAR RENDERING SITE (Continued) **1007117610**

Contact:	STEVE CHANDLER
Telephone:	9496607545
Mailing Name:	Not reported
Mailing Address:	1230 COLUMBIA ST STE 1200
Mailing City,St,Zip:	SAN DIEGO, CA 921018517
Gen County:	Not reported
TSD EPA ID:	ARD981057870
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	3.465
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	1007117610
Year:	2010
GEPAID:	CAR000150185
Contact:	STEVE CHANDLER
Telephone:	9496607545
Mailing Name:	Not reported
Mailing Address:	1230 COLUMBIA ST STE 1200
Mailing City,St,Zip:	SAN DIEGO, CA 921018517
Gen County:	Not reported
TSD EPA ID:	ARD981057870
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	3.465
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

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

F19 **KIDDIE KANDIDS #00606** **RCRA-SQG** **1010313972**
SW **4501 MAIN STREET** **CAR000180380**
1/8-1/4 **CHULA VISTA, CA 91911**
0.213 mi.
1122 ft. **Site 3 of 3 in cluster F**

Relative:
Lower

Actual:
138 ft.

RCRA-SQG:

Date form received by agency:	01/05/2007
Facility name:	KIDDIE KANDIDS #00606
Facility address:	4501 MAIN STREET CHULA VISTA, CA 91911
EPA ID:	CAR000180380
Contact:	CLINT W EASTMAN
Contact address:	4501 MAIN STREET CHULA VISTA, CA 91911
Contact country:	US
Contact telephone:	619-656-1291
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

KIDDIE KANDIDS #00606 (Continued) **1010313972**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	TOYS R US
Owner/operator address:	ONE GEOFFERY WAY WAYNE, NJ 07470
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	11/24/2006
Owner/Op end date:	Not reported

Owner/operator name:	TOYS R US
Owner/operator address:	ONE GEOFFERY WAY WAYNE, NJ 07470
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	11/24/2006
Owner/Op end date:	Not reported

Handler Activities Summary:

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

. Waste code: D011
. Waste name: SILVER

Violation Status: No violations found

G20 **SE** **1/8-1/4** **0.213 mi.** **1125 ft.**	**PEOPLES CHEVROLET** **580 AUTO PARK DR** **CHULA VISTA, CA 91911** **Site 2 of 2 in cluster G**	**RCRA-SQG** **CA AST** **CA San Diego Co. HMMD** **FINDS** **ECHO** **CA HAZNET**	**1000985150** **CAR000002618**

Relative:
Lower

Actual:
124 ft.

RCRA-SQG:

Date form received by agency:	10/05/1998
Facility name:	PEOPLES CHEVROLET
Facility address:	580 AUTO PARK DR CHULA VISTA, CA 91911
EPA ID:	CAR000002618
Contact:	LEROY LAUSENG
Contact address:	580 AUTO PARK DR CHULA VISTA, CA 91911
Contact country:	US
Contact telephone:	619-421-3300
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	EDMUND WESCHE
Owner/operator address:	580 AUTO PARK DR CHULA VISTA, CA 91911
Owner/operator country:	Not reported
Owner/operator telephone:	619-421-3300
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

PEOPLES CHEVROLET (Continued) **1000985150**

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

Violation Status: No violations found

AST:

Certified Unified Program Agencies:	San Diego
Owner:	ED WESCHE
Total Gallons:	2825
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported

PEOPLES CHEVROLET (Continued) **1000985150**

Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

HMMD SAN DIEGO:

Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL00034298
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-656-7500
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	07/27/2017
Facility Owner:	Not reported
Facility Mailing Address:	540 AUTO PARK DR, CHULA VISTA, CA 91911
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Waste and Materials:

Record ID:	DEH2009-HUPFP-211063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0109755
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-02-24T00:50:21.000
Chemical Name:	Waste Absorbent
Common Name:	Waste Absorbent
Case Number:	Not reported

Record ID:	DEH2009-HUPFP-211063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0131303
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-02-24T00:50:21.000
Chemical Name:	Paraffinic Petroleum Distillates
Common Name:	Lubricating Oils
Case Number:	Mixture

Record ID:	DEH2009-HUPFP-211063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0131304
Trade Secret:	N

PEOPLES CHEVROLET (Continued) **1000985150**

Hazardous Material Type: Mixture
Last Updated: 2017-02-24T00:50:21.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2009-HUPFP-211063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0131305
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-24T00:50:21.000
Chemical Name: Cleaners/Soaps
Common Name: Cleaners/Soaps
Case Number: Mixture

Record ID: DEH2009-HUPFP-211063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0109751
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-02-24T00:50:21.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2009-HUPFP-211063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0109752
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-02-24T00:50:21.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2009-HUPFP-211063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0109753
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-02-24T00:50:21.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

Record ID: DEH2009-HUPFP-211063
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0109754
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-02-24T00:50:21.000

PEOPLES CHEVROLET (Continued) **1000985150**

Chemical Name:	Waste Gasoline/Diesel
Common Name:	Waste Fuel
Case Number:	Not reported
Record ID:	DEH2009-HUPFP-211063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0109756
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-02-24T00:50:21.000
Chemical Name:	Waste Solids with Gasoline Residue
Common Name:	Waste Fuel Pumps
Case Number:	Not reported
Record ID:	DEH2009-HUPFP-211063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0109757
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-02-24T00:50:21.000
Chemical Name:	Parts Washer Waste
Common Name:	Parts Washer Waste
Case Number:	Not reported
Record ID:	DEH2009-HUPFP-211063
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0109758
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-02-24T00:50:21.000
Chemical Name:	Clarifier Sludge
Common Name:	Clarifier Sludge
Case Number:	Not reported

Permit Number:	211063
Business Type:	6HK31
EPA Id Number:	CAL000342981
APN:	644-042-05-00
Last HMMD Inspection:	03/06/2012
Facility Telephone:	619-656-7500
Permit Status:	OPEN
Permit Expiration:	11/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	FULLER HONDA
Facility Mailing Address:	580 AUTO PARK DR
Facility Mailing City:	CHULA VISTA
Facility Mailing State:	CA
Facility Mailing Zip:	91911
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y

PEOPLES CHEVROLET (Continued) **1000985150**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: PARAFFINIC PETROLEUM DISTILLATES
Other Information: MOTOR, TRANSMISSION & GEAR LUBRICATING OILS
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: BRAKE CLEANER (3)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE / COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

PEOPLES CHEVROLET (Continued) **1000985150**

Permit Number:	211063
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	INTERSTATE / USED LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	211063
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	211063
Update Date:	11/02/2012
Inspection Date:	03/06/2012
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE

Permit Number:	135062
Business Type:	6HK31
EPA Id Number:	CAR000002618
APN:	644-042-05-00
Last HMMD Inspection:	09/11/2008
Facility Telephone:	619-421-3300
Permit Status:	INAC
Permit Expiration:	11/30/2009
Date Last Updated:	11/02/2012
Facility Owner:	ED WESCHE
Facility Mailing Address:	580 AUTO PARK DR
Facility Mailing City:	CHULA VISTA
Facility Mailing State:	CA
Facility Mailing Zip:	91911-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	135062
Update Date:	11/02/2012
Inspection Date:	09/12/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS

PEOPLES CHEVROLET (Continued) **1000985150**

Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit

Permit Number:	135062
Update Date:	11/02/2012
Inspection Date:	09/12/2003
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	Inactive Permit

Permit Number:	135062
Update Date:	11/02/2012
Inspection Date:	06/06/2005
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	Inactive Permit

Permit Number:	135062
Business Type:	6HK31
EPA Id Number:	CAR000002618
APN:	644-042-05-00
Last HMMD Inspection:	09/11/2008
Facility Telephone:	619-421-3300
Permit Status:	INAC
Permit Expiration:	11/30/2009
Date Last Updated:	11/02/2012
Facility Owner:	ED WESCHE
Facility Mailing Address:	580 AUTO PARK DR
Facility Mailing City:	CHULA VISTA
Facility Mailing State:	CA
Facility Mailing Zip:	91911-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	135062
Update Date:	11/02/2012
Inspection Date:	09/12/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit

PEOPLES CHEVROLET (Continued) **1000985150**

Permit Number:	135062
Update Date:	11/02/2012
Inspection Date:	09/12/2003
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	Inactive Permit

Permit Number:	135062
Update Date:	11/02/2012
Inspection Date:	06/06/2005
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	Inactive Permit

Permit Number:	211063
Business Type:	6HK31
EPA Id Number:	CAL000342981
APN:	644-042-05-00
Last HMMD Inspection:	03/06/2012
Facility Telephone:	619-656-7500
Permit Status:	OPEN
Permit Expiration:	11/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	FULLER HONDA
Facility Mailing Address:	580 AUTO PARK DR
Facility Mailing City:	CHULA VISTA
Facility Mailing State:	CA
Facility Mailing Zip:	91911
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211063
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PARAFFINIC PETROLEUM DISTILLATES
Other Information:	MOTOR, TRANSMISSION & GEAR LUBRICATING OILS
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	211063
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste

PEOPLES CHEVROLET (Continued) **1000985150**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: BRAKE CLEANER (3)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE / COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE / USED LEAD ACID BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

PEOPLES CHEVROLET (Continued) **1000985150**

Violations Active Permits:

Permit Number:	211063
Update Date:	11/02/2012
Inspection Date:	03/06/2012
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE

Permit Number:	211063
Business Type:	6HK31
EPA Id Number:	CAL000342981
APN:	644-042-05-00
Last HMMD Inspection:	03/06/2012
Facility Telephone:	619-656-7500
Permit Status:	OPEN
Permit Expiration:	11/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	FULLER HONDA
Facility Mailing Address:	580 AUTO PARK DR
Facility Mailing City:	CHULA VISTA
Facility Mailing State:	CA
Facility Mailing Zip:	91911
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211063
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PARAFFINIC PETROLEUM DISTILLATES
Other Information:	MOTOR, TRANSMISSION & GEAR LUBRICATING OILS
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	211063
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	211063
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	BRAKE CLEANER (3)

PEOPLES CHEVROLET (Continued) **1000985150**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE / COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE / USED LEAD ACID BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211063
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 211063
Update Date: 11/02/2012
Inspection Date: 03/06/2012
Violation Code: 6HV0224
Violation: MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation: Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).

PEOPLES CHEVROLET (Continued) **1000985150**

Activity: ACTIVE

FINDS:

Registry ID: 110002905946

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

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

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

ECHO:
Envid: 1000985150
Registry ID: 110002905946
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002905946

HAZNET:
envid: 1000985150
Year: 2009
GEPAID: CAR000002618
Contact: EDMUND WESCHE PRES
Telephone: 6194213300
Mailing Name: Not reported
Mailing Address: 580 AUTO PARK DR
Mailing City,St,Zip: CHULA VISTA, CA 919110000
Gen County: Not reported
TSD EPA ID: CAD982411993
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.0375
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: 1000985150
Year: 2009
GEPAID: CAR000002618
Contact: EDMUND WESCHE PRES
Telephone: 6194213300
Mailing Name: Not reported
Mailing Address: 580 AUTO PARK DR
Mailing City,St,Zip: CHULA VISTA, CA 919110000

PEOPLES CHEVROLET (Continued) **1000985150**

Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.5456
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	1000985150
Year:	2009
GEPAID:	CAR000002618
Contact:	EDMUND WESCHE PRES
Telephone:	6194213300
Mailing Name:	Not reported
Mailing Address:	580 AUTO PARK DR
Mailing City,St,Zip:	CHULA VISTA, CA 919110000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.105
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	1000985150
Year:	2009
GEPAID:	CAR000002618
Contact:	EDMUND WESCHE PRES
Telephone:	6194213300
Mailing Name:	Not reported
Mailing Address:	580 AUTO PARK DR
Mailing City,St,Zip:	CHULA VISTA, CA 919110000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.075
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	1000985150
Year:	2009
GEPAID:	CAR000002618
Contact:	EDMUND WESCHE PRES
Telephone:	6194213300
Mailing Name:	Not reported
Mailing Address:	580 AUTO PARK DR
Mailing City,St,Zip:	CHULA VISTA, CA 919110000
Gen County:	Not reported
TSD EPA ID:	TXD077603371

PEOPLES CHEVROLET (Continued) **1000985150**

TSD County: Not reported
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.125
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

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

21
East
1/4-1/2
0.251 mi.
1325 ft.

Relative:
Lower

Actual:
178 ft.

FORMER OMAR RENDERING LANDFILL
1886 AUTO PARK PLACE
CHULA VISTA, CA 91910

CA DEED **S100833528**
CA LDS **N/A**
CA BOND EXP. PLAN
CA Cortese
CA ENF
CA NPDES

DEED:

Envirostor ID: L10003156547
Area: Not reported
Sub Area: Not reported
Site Type: LANDFILL
Status: Not reported
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 12/29/1999

LDS:

Global Id: L10003156547
Latitude: 32.59704
Longitude: -117.0246
Case Type: Land Disposal Site
Status: Open - Closed/with Monitoring
Status Date: 10/22/2013
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Caseworker: SAM
Local Agency: Not reported
RB Case Number: 2091200
LOC Case Number: H02426-003
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply, Soil
EDR Link ID: L10003156547
Potential Contaminants of Concern: * Acids/Corrosives, Arsenic, * Chlorinated Hydrocarbons, Waste Oil / Motor / Hydraulic / Lubricating, Other Petroleum
Site History: The Omar Rendering site is situated on forty acres enclosed by a chain-link and wood fence. The facility accepted hazardous wastes from 1959 to 1978 and utilized evaporation ponds for disposal. Prior to 1980, the contents of six former Class I waste ponds were removed and disposed at a permitted off site location. In 1981, the impacted soil from beneath the Class I waste ponds was placed in a lined and capped waste cell in the northwest corner of the site, in accordance with RWQCB Order No. 80-06 (Closure Requirements for the Omar Rendering Company Dumpsite in the Otay River Valley). Subsequently, the waste cell has been maintained and monitored per RWQCB Order No. 87-141, [Waste Discharge Requirements (WDRs) for the Omar Rendering

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

Company Closed Class I Disposal Site including Technical Change Order No. 1 Monitoring and Reporting Program], which was replaced by RWQCB Order No. 97-Annual/Semi-Annual Report April 2010 Former Omar Rendering Site 2 40 (Waste Discharge Requirements for Closure and Post-Closure Maintenance for the Class I Waste Management Containment Cell, Omar Rendering Facility, Darling International, which includes Monitoring and Reporting Program 97-40). Program No. 97-40 requires semi-annual groundwater monitoring and periodic monitoring and maintenance of the cap and surface water control features. The waste cell has the following physical properties: h Approximate waste cell area: 5 acres. h Stratigraphy, approximate depth below grade (City of Chula Vista Engineering Department, Samual F. Savino PE, As-built grading plan, sheet 4 of 7, Sections A-A and B-B, dated 10-27-82). 0-6 ft: clean soil cover 6-9 ft: compacted clay cap 9-53 ft: compacted soil waste There is currently no documented human health exposure. 53-56 ft: compacted clay liner (base is at approx. elev. of 155 feet mean sea level [MSL]) h The bottom of the waste cell is greater than 25 feet above the groundwater table (the water table is encountered at an elevation of 120 to 130 feet MSL in the vicinity of the waste cell). h Clay material used for liners was analyzed and determined to have a permeability of less than 1E-06 centimeters per second (cm/sec), and compacted to 90 percent relative compaction (Geocon, Testing and Observation Services During Grading Operations, dated January 1982). h The material placed in the waste cell was primarily impacted soil excavated from beneath the former Class I ponds and rendering waste ponds (pond contents were removed off site); consequently, the material is assumed to have a low organic content, and have low potential for generating methane gas. h The waste cell contents were compacted to at least 90 percent relative compaction (Geocon, January 1982). San Diego Water Board issued cleanup and abatement Order R9-2003-0080 and addendum no. 1 to that Order for cleanup and abatement of areas of the site impacted by pollutants from the former waste disposal pits located onsite. The monitoring and maintenance of the Omar Landfill are covered by WDRs Order 97-40 (and addenda thereto) and a detection monitoring program issued under authority of Water Code section 13263, and the landfill is not part of the cleanup being conducted under the CAO.

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

CA BOND EXP. PLAN:

Reponsible Party:	BACKLOG SITE CLEANUP PLANNING REPORT
Project Revenue Source Company:	Not reported
Project Revenue Source Addr:	Not reported
Project Revenue Source City,St,Zip:	Not reported
Project Revenue Source Desc:	This site is projected to be remediated by responsible parties with reimbursement to DHS for its oversight/monitoring costs. However, if the responsible parties are unable to pay for site cleanup, another source of funds will need to be established.
Site Description:	This site is situated on 40 acres and is enclosed by chain link and wood fencing. The facility accepted hazardous wastes from 1959 to 1978 and utilized evaporation ponds for disposal. These ponds were excavated upon closure and the residues were left onsite.
Hazardous Waste Desc:	Chemicals disposed of onsite include petroleum hydrocarbons, acids, caustic solutions, and heavy metals. Soil samples indicate the presence of copper, chromium, nickel, lead, 1,1-dichloroethane, cadmium, dichlorodiphenyl,

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

trichloroethane (TCA), aldrin, and polychlorinated biphenyls (PCBs).

Threat To Public Health & Env: The public may be exposed to contaminated dust and/or volatile organic compounds if soil is disturbed. Ground water contamination could occur if the pond residuals are released from the disposal cell. Chronic exposures could occur if contaminated soils are left exposed after construction. There is no documented exposure at this time.

Site Activity Status: The potential responsible party conducted a site assessment in Summer, 1988 to determine the location and concentrations of contaminants onsite and the potential to migrate off the property. DHS will evaluate the findings of the assessment to determine a priority for scheduling the site in future Bond Expenditure Plans.

CORTESE:

Region:	CORTESE
Envirostor Id:	Not reported
Site/Facility Type:	Not reported
Cleanup Status:	Not reported
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	CORTESE
Order No:	R9-1997-0040
Waste Discharge System No:	Not reported
Effective Date:	06/11/1997
Region 2:	9
WID Id:	9 000000215
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported

ENF:

Region:	9
Facility Id:	245992
Agency Name:	Land Bank
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class I - hazardous wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.59773
Place Longitude:	-117.02675
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Solid wastes, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000215
Reg Measure Id:	142900
Reg Measure Type:	WDR
Region:	9
Order #:	R9-1997-0040
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/24/2013
Effective Date:	06/11/1997
Expiration/Review Date:	06/11/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	4/28/2005
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Active
Enforcement Id(EID):	389620
Region:	9
Order / Resolution Number:	R9-2013-0055
Enforcement Action Type:	Notice of Violation
Effective Date:	04/02/2013
Adoption/Issuance Date:	04/02/2013
Achieve Date:	Not reported
Termination Date:	11/30/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV No. R9-2013-0055, Land Bank former Omar Rendering Site
Description:	For violations of Waste Discharge Requirements for Post-Closure maintenance and monitoring for Class 1 waste management unit (landfill) and CAO at former Omar Rendering facility.

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

Program:	LFOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	9
Facility Id:	245992
Agency Name:	Land Bank
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class I - hazardous wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.59773
Place Longitude:	-117.02675
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Solid wastes, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000215
Reg Measure Id:	142900
Reg Measure Type:	WDR
Region:	9
Order #:	R9-1997-0040
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/24/2013
Effective Date:	06/11/1997
Expiration/Review Date:	06/11/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	4/28/2005
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	256773
Region:	9
Order / Resolution Number:	R9-2003-0080
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	03/27/2003
Adoption/Issuance Date:	03/27/2003
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Order R9-2003-0080, Cleanup and Abatement Order former Omar Rendering Site
Description:	Cleanup and abatement Order for investigation and remediation of condition of pollution from past discharges of wastes at the former Omar Rendering Site. Due dates: Site Conceptual Model 5/30/03,Site Investigation Report 8/29/03, and FS 12/30/03.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	245992
Agency Name:	Land Bank
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class I - hazardous wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.59773
Place Longitude:	-117.02675
SIC Code 1:	4953

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Solid wastes, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000215
Reg Measure Id:	142900
Reg Measure Type:	WDR
Region:	9
Order #:	R9-1997-0040
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/24/2013
Effective Date:	06/11/1997
Expiration/Review Date:	06/11/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	4/28/2005
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	248056
Region:	9
Order / Resolution Number:	R9-2002-0170
Enforcement Action Type:	Notice of Violation
Effective Date:	06/20/2002

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/20/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV Order R9-2002-0170, Failure to Report
Description:	Discharger failed to submit semi-annual and annual groundwater monitoring reports as required by WDR (Order 97-40) and M&RP 97-40.
Program:	LFNONOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	245992
Agency Name:	Land Bank
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class I - hazardous wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.59773
Place Longitude:	-117.02675
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Solid wastes, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

WDID:	9 000000215
Reg Measure Id:	142900
Reg Measure Type:	WDR
Region:	9
Order #:	R9-1997-0040
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/24/2013
Effective Date:	06/11/1997
Expiration/Review Date:	06/11/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	4/28/2005
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	221498
Region:	9
Order / Resolution Number:	LT950605
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	06/05/1995
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000215
Description:	SITE CORRECTIVE ACTION ORDER replaced by closure requirements and CAO R9-2003-080 see reg meas. 256773
Program:	LFNONOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

NPDES:

Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	9

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

Regulatory Measure Id:	441247
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C367857
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	160 Calle Magdalena LLC
Discharge Address:	1546 Auto Park Way
Discharge City:	Encondido
Discharge State:	California
Discharge Zip:	92029
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 DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER 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:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	218742
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I015817
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/25/2000
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Otay Mesa Ventures II LLC
Discharge Address:	6380 S Fiddlers Green Circle
Discharge City:	Greenwood Village
Discharge State:	Colorado
Discharge Zip:	80111
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

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

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 DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER 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:	9
Regulatory Measure Id:	441247
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C367857
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	09/25/2013
PROCESSED DATE:	10/01/2013
STATUS CODE NAME:	Active
STATUS DATE:	10/01/2013

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

PLACE SIZE:	5.1
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Larry Lett
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	760-744-3133
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	lletts@lusardi.com
OPERATOR NAME:	160 Calle Magdalena LLC
OPERATOR ADDRESS:	1546 Auto Park Way
OPERATOR CITY:	Encondido
OPERATOR STATE:	California
OPERATOR ZIP:	92029
OPERATOR CONTACT NAME:	John Epps
OPERATOR CONTACT TITLE:	Secretary
OPERATOR CONTACT PHONE:	858-581-7942
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	JWE@mossy.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	160 Calle Magdalena LLC
DEVELOPER ADDRESS:	1546 Auto Park Way
DEVELOPER CITY:	Encondido
DEVELOPER STATE:	California
DEVELOPER ZIP:	92029
DEVELOPER CONTACT NAME:	John Epps
DEVELOPER CONTACT TITLE:	Secretary
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	760-522-7490
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	Y
RECEIVING WATER NAME:	Otay River
CERTIFIER NAME:	John Epps
CERTIFIER TITLE:	CFO
CERTIFICATION DATE:	25-SEP-13
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:	9

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

Regulatory Measure Id:	218742
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I015817
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:	05/25/2000
STATUS CODE NAME:	Active
STATUS DATE:	05/25/2000
PLACE SIZE:	5
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Mark Unruh
FACILITY CONTACT TITLE:	Project Manager
FACILITY CONTACT PHONE:	619-533-7301
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	mark.unruh@aptim.com
OPERATOR NAME:	Otay Mesa Ventures II LLC
OPERATOR ADDRESS:	6380 S Fiddlers Green Circle
OPERATOR CITY:	Greenwood Village
OPERATOR STATE:	Colorado
OPERATOR ZIP:	80111
OPERATOR CONTACT NAME:	TIMOTHY ROBERTS
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	720-554-8206
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	timothy.roberts@aptim.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Colorado
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 DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported

FORMER OMAR RENDERING LANDFILL (Continued) **S100833528**

CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Otay River
CERTIFIER NAME:	TIMOTHY ROBERTS
CERTIFIER TITLE:	Project Manager
CERTIFICATION DATE:	10-AUG-15
PRIMARY SIC:	4953-Refuse Systems
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

22
South
1/4-1/2
0.329 mi.
1735 ft.

SHINOHARA II PROPERTY BURNSITE
S OF 4700 BLK. MAIN ST.
CHULA VISTA, CA

CA SWF/LF **S105548884**
N/A

Relative:
Lower

Actual:
87 ft.

SWF/LF (SWIS):

Region:	STATE
Facility ID:	37-CR-0075
Lat/Long:	32.5916 / -117.0313
Owner Name:	City of Chula Vista
Owner Telephone:	6194765341
Owner Address:	Development Services
Owner Address2:	276 Fourth Avenue
Owner City,St,Zip:	Chula Vista, CA 91910
Operational Status:	Closed
Operator:	Not reported
Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	$0.00
Activity:	Solid Waste Disposal Site
Regulation Status:	Pre-regulations
Landuse Name:	Open Space - Irrigated,Commercial
GIS Source:	GPS
Category:	Disposal
Unit Number:	01
Inspection Frequency:	Quarterly
Accepted Waste:	Not reported
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	$0.00
SWIS Num:	37-CR-0075
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	Not reported
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Not reported

SHINOHARA II PROPERTY BURNSITE (Continued) **S105548884**

Lat/Long: 32.5916 / -117.0313

Region: STATE
Facility ID: 37-CR-0075
Lat/Long: 32.5916 / -117.0313
Owner Name: Shinohara J
Owner Telephone: Not reported
Owner Address: Not reported
Owner Address2: 2009 Chardonnay Terrace
Owner City,St,Zip: Chula Vista
Operational Status: Closed
Operator: Not reported
Operator Phone: Not reported
Operator Address: Not reported
Operator Address2: Not reported
Operator City,St,Zip: Not reported
Permit Date: Not reported
Permit Status: Not reported
Permitted Acreage: $0.00
Activity: Solid Waste Disposal Site
Regulation Status: Pre-regulations
Landuse Name: Open Space - Irrigated,Commercial
GIS Source: GPS
Category: Disposal
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Not reported
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: $0.00
SWIS Num: 37-CR-0075
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: Not reported
Actual Throughput with Units: Not reported
Permitted Capacity with Units: Not reported
Remaining Capacity: Not reported
Remaining Capacity with Units: Not reported
Lat/Long: 32.5916 / -117.0313

23
WSW
1/4-1/2
0.363 mi.
1914 ft.

ARCO **CA LUST** **S103980466**
4430 OTAY VALLEY RD **N/A**
CHULA VISTA, CA 91911

Relative:
Lower

Actual:
133 ft.

LUST:
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607313861
Global Id: T0607313861
Latitude: 32.5945
Longitude: -117.0381
Status: Completed - Case Closed
Status Date: 04/29/2008
Case Worker: Not reported
RB Case Number: Not reported
Local Agency: Not reported

ARCO (Continued) **S103980466**

File Location: Local Agency
Local Case Number: H21459-001
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0607313861
Action Type: ENFORCEMENT
Date: 07/23/2002
Action: Notice of Responsibility

Global Id: T0607313861
Action Type: Other
Date: 07/11/2002
Action: Leak Reported

Global Id: T0607313861
Action Type: RESPONSE
Date: 01/09/2007
Action: Correspondence

Global Id: T0607313861
Action Type: Other
Date: 06/25/2002
Action: Leak Discovery

Global Id: T0607313861
Action Type: Other
Date: 06/25/2002
Action: Leak Stopped

Global Id: T0607313861
Action Type: Other
Date: 06/25/2002
Action: Leak Began

LUST:
Global Id: T0607313861
Status: Completed - Case Closed
Status Date: 04/29/2008

Global Id: T0607313861
Status: Open - Case Begin Date
Status Date: 06/25/2002

H24 **VINCENT DAVIES PROPERTY** **CA ENVIROSTOR** **U001571103**
ESE **4501 OTAY VALLEY ROAD** **CA SLIC** **N/A**
1/4-1/2 **CHULA VISTA, CA 92011** **CA San Diego Co. HMMD**
0.382 mi. **CA SWEEPS UST**
2016 ft. **Site 1 of 2 in cluster H** **CA HIST UST**

Relative:
Lower

Actual:
140 ft.

ENVIROSTOR:
Facility ID: 37730292
Status: Refer: Other Agency
Status Date: 08/21/1995
Site Code: Not reported

VINCENT DAVIES PROPERTY (Continued) **U001571103**

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:	79
Senate:	40
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.59472
Longitude:	-117.0227
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD983566779
Alias Type:	EPA Identification Number
Alias Name:	37730292
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/25/1994
Comments:	CalSites Validation Program confirms NFA for DTSC.
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

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/30/1996
Global Id:	T0608113999
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H28262-001
Latitude:	32.594208
Longitude:	-117.042898
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported

VINCENT DAVIES PROPERTY (Continued) **U001571103**

File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

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

HMMD SAN DIEGO:

Permit Number:	106804
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	DEH-106804
Last HMMD Inspection:	Not reported
Facility Telephone:	619-421-6581
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	NAKANO FARMS
Facility Mailing Address:	P.O. BOX P O BOX 57
Facility Mailing City:	NESTOR
Facility Mailing State:	CA
Facility Mailing Zip:	92053-
UST Owner:	NAKANO FARMS
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 106804 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	106804
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	300
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1968-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	GRAVITY
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:

Status:	Active
Comp Number:	6804
Number:	9
Board Of Equalization:	44-022391
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88

VINCENT DAVIES PROPERTY (Continued) **U001571103**

Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-006804-000001
Tank Status:	A
Capacity:	300
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	1

HIST UST:

File Number:	0002F086
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F086.pdf
Region:	STATE
Facility ID:	00000050131
Facility Type:	Other
Other Type:	FARM
Contact Name:	Not reported
Telephone:	6194216581
Owner Name:	NAKANO FARMS
Owner Address:	4501 OTAY VALLEY ROAD
Owner City,St,Zip:	CHULA VISTA, CA 92011
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1968
Tank Capacity:	00000300
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	None

Click here for Geo Tracker PDF:

H25 **VINCENT DAVIES PROPERTY** **SEMS-ARCHIVE** **1003877949**
ESE **4501 OTAY VALLEY ROAD** **CAD983566779**
1/4-1/2 **CHULA VISTA, CA 92011**
0.382 mi.
2016 ft. **Site 2 of 2 in cluster H**

Relative:
Lower

Actual:
140 ft.

SEMS-ARCHIVE:

Site ID:	900023
EPA ID:	CAD983566779
Federal Facility:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID:	0900023
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

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID:	13289422.00000
Person ID:	13003854.00000

VINCENT DAVIES PROPERTY (Continued) **1003877949**

Contact Sequence ID: 13295017.00000
Person ID: 13003858.00000

Contact Sequence ID: 13300875.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 08/24/90
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/27/92
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 01/27/92
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

---

26 SSW 1/4-1/2 0.400 mi. 2112 ft. | **DAVIES PROPERTY** | **US BROWNFIELDS** | **1016356769**
NO ADDRESS | **N/A**
CHULA VISTA, CA 91911

Relative: Lower

Actual: 81 ft.

US BROWNFIELDS:

Property Name:	DAVIES PROPERTY
Recipient Name:	Chula Vista Redevelopment Agency
Grant Type:	Assessment
Property Number:	624-071-01
Parcel size:	8.61
Latitude:	32.59085
Longitude:	-117.03442
HCM Label:	Interpolation-Other
Map Scale:	Not reported
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	109352
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	4186
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported

DAVIES PROPERTY (Continued) **1016356769**

Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96943301
Start Date:	09/01/2009 00:00:00
Ownership Entity:	Government
Completion Date:	10/24/2009 00:00:00
Current Owner:	City of Chula Vista
Did Owner Change:	Not reported
Cleanup Required:	U
Video Available:	N
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported

DAVIES PROPERTY (Continued) **1016356769**

Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	8.61
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Agricultural Uses dairy farm 1928-1967 Open Storage 1967-2004 Vacant 2005- present
Below Poverty Number:	182
Below Poverty Percent:	22.6%
Meidan Income:	1181
Meidan Income Number:	1106
Meidan Income Percent:	3.7%
Vacant Housing Number:	57
Vacant Housing Percent:	72.3%
Unemployed Number:	235
Unemployed Percent:	17.5%

27 WSW 1/2-1 0.765 mi. 4038 ft. | **APACHE SERVICES**
4551 OTAY VALLEY ROAD
CHULA VISTA, CA 92011 | **CA ENVIROSTOR** | **S100833516**
CA BOND EXP. PLAN | **N/A**

Relative: Lower

Actual: 120 ft.

ENVIROSTOR:

Facility ID:	37500032
Status:	Refer: RWQCB
Status Date:	08/27/1990
Site Code:	400004
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	RWQCB 9 - San Diego
Lead Agency:	RWQCB 9 - San Diego
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	79
Senate:	40
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.59416
Longitude:	-117.0213
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* Laboratory Waste Chemicals * EMPTY CONTAINERS, LESS THAN 30 GALLONS * OTHER INORGANIC SOLID WASTE
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD980515860
Alias Type:	EPA Identification Number
Alias Name:	P43063
Alias Type:	PCode
Alias Name:	400004
Alias Type:	Project Code (Site Code)
Alias Name:	37500032
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	01/13/1983
Comments:	FACILITY IDENTIFIED VIA ROUTINE SURVEILLANCE
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	08/27/1990
Comments:	RWQCB SITE REFERRED TO SAN DIEGO RWQCB. DELISTED FROM BEP BACKLOG. SITE SCREENING DONE PENDING: RWQCB LEAD.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report

APACHE SERVICES (Continued) **S100833516**

Completed Date: 02/19/1987
Comments: PRELIM ASSESS DONE STUDY DONE FOR RWQCB STATES THERE IS LOW PROBABILITY TOXINS WILL BE RELEASED. RWQCB IS LEAD AGENCY AND IS IMPLIMENTING PLAN INSURING NO TOXINS WILL BE RELEASED

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

CA BOND EXP. PLAN:
Reponsible Party: BACKLOG SITE CLEANUP PLANNING REPORT
Project Revenue Source Company: Not reported
Project Revenue Source Addr: Not reported
Project Revenue Source City,St,Zip: Not reported
Project Revenue Source Desc: This site is projected to be remediated by the responsible parties will reimbursement to DHS for its oversight activities. If the RPs are unable to fund site cleanup, another source of funds will need to be identified.
Site Description: The site was formerly a junkyard. Many of the wastes onsite are thought to be associated with nearby naval facilities.
Hazardous Waste Desc: Soil contamination includes low levels of copper, zinc, cadmium and lead. Hazardous wastes previously stored and spilled include petroleum distillates, solvents, electrical insulating oils, trichloroethane (TCA), chloroform, and perchloroethylene (PCE). The site is located on fill material.
Threat To Public Health & Env: There is some potential threat to the Otay River. Farmland is adjacent to the site. PCE and TCA were found in standing surface water and ground water. Ground water is within 12 feet of the surface. The site has been partially abated through removal of the most highly contaminated soil. This site will be further evaluated in the future to determine if additional cleanup action is necessary.
Site Activity Status: In February, 1981, a cleanup and abatement order was issued by the RWQCB, San Diego Region. DHS was working in coordination with the U.S. Navy, a potentially responsible party, when the salvage yard was destroyed by fire in August, 1985. Some subsequent surface removal occurred. There has been inadequate chatacterization to determine the current levels of contamination. Additional site characterization is necessary to confirm the adequacy of cleanup. The responsible parties are continuing remediation work under the oversight of the San Diego RWQCB.

I28 **OTAY SANITARY LANDFILL** **CA ENVIROSTOR** **S101481986**
ENE **OTAY VALLEY ROAD** **N/A**
1/2-1 **CHULA VISTA, CA 92011**
0.904 mi.
4773 ft. **Site 1 of 4 in cluster I**

Relative:
Higher

Actual:
349 ft.

ENVIROSTOR:
Facility ID: 37490031
Status: Refer: RWQCB
Status Date: 04/25/1995
Site Code: 400112
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported

OTAY SANITARY LANDFILL (Continued) **S101481986**

NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	Not reported
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	P43072
Alias Type:	PCode
Alias Name:	400112
Alias Type:	Project Code (Site Code)
Alias Name:	37490031
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	11/04/2014
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

I29 **ALLIED WASTE - OTAY LANDFILL** **CA SWF/LF** **U001571080**
ENE **1700 MAXWELL ROAD** **CA San Diego Co. HMMD** **N/A**
1/2-1 **CHULA VISTA, CA 92011** **CA HIST UST**
0.908 mi. **CA EMI**
4792 ft. **Site 2 of 4 in cluster I** **CA HWP**

Relative:
Higher

Actual:
349 ft.

SAN DIEGO CO. LF:

Facility Status:	ACTIVE SITES
Operational Status:	ACTIVE
Region:	SAN DIEGO
SWIS Number:	37-AA-0973
Owner Name:	OTAY LANDFILL, INC
Operator:	OTAY LANDFILL, INC
Facility Type:	MEDIUM VOLUME TRANSFER/ MEDIUM VOLUME CDI PROCESSING
Facility Type2:	CDI PROCESSING

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

PERMTIER:	REGISTRATION
Inspection Frequency:	MONTHLY

Facility Status:	ACTIVE SITES
Operational Status:	ACTIVE
Region:	SAN DIEGO
SWIS Number:	37-AA-0975
Owner Name:	BEND HOE OOI
Operator:	PLANTS CHOICE, INC
Facility Type:	ORGANIC MATERIALS HANDLING FACILITIES
Facility Type2:	GREEN MATERIAL COMPOSTING OPERATION (>12,500yd3)
PERMTIER:	EA NOTIFICATION
Inspection Frequency:	QUARTERLY

HMMD SAN DIEGO:

Permit Number:	210800
Business Type:	6HK26
EPA Id Number:	CAL000341724
APN:	644-230-19-00
Last HMMD Inspection:	01/26/2011
Facility Telephone:	619-429-3497
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	ECOLOGY AUTO PARTS, INC
Facility Mailing Address:	14150 VINE PLACE
Facility Mailing City:	CERRITOS
Facility Mailing State:	CA
Facility Mailing Zip:	90703
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	210800
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	210800
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	210800

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OILS, LUBRICATING
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	210800
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	210800
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	210800
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	210800
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	210800
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	1X55GAL USED/1X55 GAL NEW/ XOGUARD FLUID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	210800
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

Other Information:	DRAINED - TO ECOLOGY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	210800
Update Date:	11/02/2012
Inspection Date:	05/28/2009
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE

Permit Number:	210800
Update Date:	11/02/2012
Inspection Date:	05/28/2009
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE

Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000341724
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	562-921-9974
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	04/05/2017
Facility Owner:	Not reported
Facility Mailing Address:	14150 VINE PLACE, CERRITOS, CA 90703
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Waste and Materials:

Record ID:	DEH2009-HUPFP-210800
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107271
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-08-31T02:32:30.000
Chemical Name:	Not reported
Common Name:	Motor Oil

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

Case Number:	Not reported

Record ID:	DEH2009-HUPFP-210800
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107265
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-08-31T02:32:30.000
Chemical Name:	OXYGEN GAS
Common Name:	OXYGEN GAS
Case Number:	7782-44-7

Record ID:	DEH2009-HUPFP-210800
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107266
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-08-31T02:32:30.000
Chemical Name:	Ethylene Glycol
Common Name:	ANTIFREEZE
Case Number:	107-21-1

Record ID:	DEH2009-HUPFP-210800
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107267
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-08-31T02:32:30.000
Chemical Name:	Gear Oil
Common Name:	Gear Oil
Case Number:	Not reported

Record ID:	DEH2009-HUPFP-210800
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107268
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-08-31T02:32:30.000
Chemical Name:	HYDRAULIC OIL
Common Name:	HYDRAULIC OIL
Case Number:	Not reported

Record ID:	DEH2009-HUPFP-210800
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107269
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-08-31T02:32:30.000
Chemical Name:	Not reported
Common Name:	Diesel Exhaust Fluid (DEF)
Case Number:	Not reported

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

Record ID:	DEH2009-HUPFP-210800
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107270
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-08-31T02:32:30.000
Chemical Name:	Propane
Common Name:	Liquefied Petroleum Gas (lpg)
Case Number:	74-98-6

Record ID:	DEH2009-HUPFP-210800
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0088520
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-08-31T02:32:30.000
Chemical Name:	WASTE 611 CONTAMINATED SOIL
Common Name:	OILY SOIL/SOLIDS
Case Number:	Not reported

Record ID:	DEH2009-HUPFP-210800
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0088521
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-08-31T02:32:30.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	USED OIL
Case Number:	Not reported

Record ID:	DEH2009-HUPFP-210800
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0088522
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-08-31T02:32:30.000
Chemical Name:	Ethylene Glycol
Common Name:	Ethylene Glycol (Waste)
Case Number:	Not reported

Record ID:	DEH2009-HUPFP-210800
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0088523
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-08-31T02:32:30.000
Chemical Name:	Not reported
Common Name:	Oily Water (Parts Washer)
Case Number:	Not reported

Permit Number:	210800

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

Business Type:	6HK26
EPA Id Number:	CAL000341724
APN:	644-230-19-00
Last HMMD Inspection:	01/26/2011
Facility Telephone:	619-429-3497
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	ECOLOGY AUTO PARTS, INC
Facility Mailing Address:	14150 VINE PLACE
Facility Mailing City:	CERRITOS
Facility Mailing State:	CA
Facility Mailing Zip:	90703
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	210800
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	210800
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	210800
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OILS, LUBRICATING
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	210800
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

Permit Number: 210800
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 210800
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 210800
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 210800
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: 1X55GAL USED/1X55 GAL NEW/ XOGUARD FLUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 210800
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED - TO ECOLOGY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 210800
Update Date: 11/02/2012
Inspection Date: 05/28/2009
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

Permit Number: 210800
Update Date: 11/02/2012

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

Inspection Date:	05/28/2009
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000016754
Facility Type:	Other
Other Type:	TREATMENT FACILITY
Contact Name:	HERB SMITH
Telephone:	6194211175
Owner Name:	BKK CORPORATION
Owner Address:	2550 237TH STREET
Owner City,St,Zip:	TORRANCE, CA 90505
Total Tanks:	0003
Tank Num:	001
Container Num:	SF1
Year Installed:	1982
Tank Capacity:	00250000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual, Groundwater Monitoring Well
Tank Num:	002
Container Num:	SF2
Year Installed:	1982
Tank Capacity:	00250000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual, Groundwater Monitoring Well
Tank Num:	003
Container Num:	SOG
Year Installed:	1982
Tank Capacity:	00013500
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	Visual

EMI:

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	7263
Air District Name:	SD
SIC Code:	4953

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5786
Reactive Organic Gases Tons/Yr:	70
Carbon Monoxide Emissions Tons/Yr:	7
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	84
Part. Matter 10 Micrometers and Smllr Tons/Yr:	37

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	7263
Air District Name:	SD
SIC Code:	4953
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1623
Reactive Organic Gases Tons/Yr:	13
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	58
Part. Matter 10 Micrometers and Smllr Tons/Yr:	17

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	7263
Air District Name:	SD
SIC Code:	4953
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1485
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	84
Part. Matter 10 Micrometers and Smllr Tons/Yr:	22

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	7263
Air District Name:	SD
SIC Code:	4953
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1485
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	1

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	84
Part. Matter 10 Micrometers and Smllr Tons/Yr:	22

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	7263
Air District Name:	SD
SIC Code:	4953
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3695
Reactive Organic Gases Tons/Yr:	30
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	239
Part. Matter 10 Micrometers and Smllr Tons/Yr:	66

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	7263
Air District Name:	SD
SIC Code:	4953
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3695
Reactive Organic Gases Tons/Yr:	30
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	239
Part. Matter 10 Micrometers and Smllr Tons/Yr:	66

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	7263
Air District Name:	SD
SIC Code:	4953
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2045
Reactive Organic Gases Tons/Yr:	17
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	228
Part. Matter 10 Micrometers and Smllr Tons/Yr:	87

Year:	2003

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

County Code:	37
Air Basin:	SD
Facility ID:	7263
Air District Name:	SD
SIC Code:	4953
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2045
Reactive Organic Gases Tons/Yr:	17
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	228
Part. Matter 10 Micrometers and Smllr Tons/Yr:	87

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	7263
Air District Name:	SD
SIC Code:	4953
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2044.525658
Reactive Organic Gases Tons/Yr:	16.9134257
Carbon Monoxide Emissions Tons/Yr:	1.5757
NOX - Oxides of Nitrogen Tons/Yr:	8.432
SOX - Oxides of Sulphur Tons/Yr:	1.547272
Particulate Matter Tons/Yr:	228.336762
Part. Matter 10 Micrometers and Smllr Tons/Yr:	86.8528861

HWP:

EPA Id:	CAT080010101
Cleanup Status:	CLOSED
Latitude:	32.59757
Longitude:	-117.0182
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	79
Senate District:	40
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAT080010101
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description:	New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date:	01/11/1983

EPA Id:	CAT080010101
Facility Type:	Historical - Non-Operating

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - Historical - TECHNICAL COMPLETE LETTER
Actual Date: 06/25/1991

EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 04/26/1982

EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 08/06/1982

EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - Historical - FINAL PERMIT RENEWAL
Actual Date: 03/31/1992

EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 01/11/1983

EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 01/11/1988

EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 05/17/1990

EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - Historical - APPLICATION PART B RECEIVED
Actual Date: 05/31/1989

EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - Historical - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 06/30/1993

EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date: 08/19/1982

ALLIED WASTE - OTAY LANDFILL (Continued) **U001571080**

EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Renewal - Historical - PUBLIC COMMENT (BEGIN)
Actual Date: 06/29/1991

Closure:
EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/17/1998

EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR1 (GPRA Unit), TANKTRT1 (GPRA Unit)
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 11/25/1998

Alias:
EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000832243

EPA Id: CAT080010101
Facility Type: Historical - Non-Operating
Alias Type: Envirostor ID Number
Alias: 37730291

I30 **APPROPRIATE TECHNOLOGIES II INC** **CA ENVIROSTOR** **S109287760**
ENE **1700 MAXWELL RD** **CA SWF/LF** **N/A**
1/2-1 **CHULA VISTA, CA 91911** **CA LDS**
0.908 mi. **CA ENF**
4792 ft. **Site 3 of 4 in cluster I** **CA Financial Assurance**
CA NPDES

Relative:
Higher

Actual:
349 ft.

ENVIROSTOR:
Facility ID: 80001820
Status: * Inactive
Status Date: 01/01/2008
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Cypress
Assembly: 79
Senate: 40
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Funding: Not reported
Latitude: 32.59757
Longitude: -117.0182
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAT080010101
Alias Type: EPA Identification Number
Alias Name: 110000832243
Alias Type: EPA (FRS #)
Alias Name: 37730291
Alias Type: Envirostor ID Number
Alias Name: 80001820
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 12/08/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/01/1987
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Completed Document Type: RFI Workplan
Completed Date: 06/14/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/15/1989
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Completed Document Type: RFI Report
Completed Date: 02/22/1995
Comments: The RFI report indicated there is no further investigation is necessary for Washout Pit and Unlined Effluent Pippes. However, this facility was constructed on a closed class I lsndfill which SD WB is the lead for this landfill.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 08/12/2010
Comments: Not reported

Completed Area Name: Sites With No Operable Unit

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Completed Sub Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 05/27/1989
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Completed Document Type: Interim Measures Questionnaire
Completed Date: 09/28/1992
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 06/29/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed
Completed Date: 09/20/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/20/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 06/29/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 09/20/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed
Completed Date: 12/08/2010
Comments: Not reported

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

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Facility ID:	37730291
Status:	Refer: RCRA
Status Date:	05/01/1995
Site Code:	400205
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:	79
Senate:	40
Special Program:	* RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.60513
Longitude:	-117.0049
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* UNSPECIFIED AQUEOUS SOLUTION
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	BKK CORP
Alias Type:	Alternate Name
Alias Name:	CAT080010101
Alias Type:	EPA Identification Number
Alias Name:	110000832243
Alias Type:	EPA (FRS #)
Alias Name:	400205
Alias Type:	Project Code (Site Code)
Alias Name:	37730291
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	05/01/1995
Comments:	Database Validation Program determines NFA for DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/25/1994
Comments:	CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	03/12/1984
Comments:	PERMIT(OTHER) PERMIT: HAZ WASTE FAC PERMIT # CAT- 080010101 WASTE: ACCEPTS HAZ/NON-HAZ LIQ SLUDGE & SLURRY WASTES IN BULK, HAZ LIQ/SOLID WST IN DRUMS OR OTHER APPROVED CONTAINERS UNACCEPTABLE WASTES-PCB'S,EXPLOSIVE, & RADIOACTIVE MATLS. BKK/AP-TECII OPER PLAN -

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

1)SOURCE ACT: LAND USE: SITE SURROUNDED BY OTAY LDFL. HAZ WASTE TREATMT,STORAGE,TRANSFER FAC ZONED FOR OPEN SPACE & PARK DEVELOPMENT NO DISP ONSITE. ALL STORAGE TEMPORARY. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	10/12/1983
Comments:	FACILITY IDENTIFIED ID FROM ERRIS
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SWF/LF (SWIS):

Region:	STATE
Facility ID:	37-AA-0010
Lat/Long:	32.60333 / -117.005
Owner Name:	Republic Services
Owner Telephone:	9547692400
Owner Address:	Not reported
Owner Address2:	18500 N. Allied Way
Owner City,St,Zip:	Phoenix, AZ 82054
Operational Status:	Active
Operator:	Otay Landfill Inc.
Operator Phone:	6194494053
Operator Address:	Not reported
Operator Address2:	8514 Mast Blvd.
Operator City,St,Zip:	Santee, CA 92071
Permit Date:	06/26/2017
Permit Status:	Permitted
Permitted Acreage:	Not reported
Activity:	Chipping and Grinding Activity Fac./ Op.
Regulation Status:	Permitted
Landuse Name:	Industrial,Agricultural
GIS Source:	Map
Category:	Composting
Unit Number:	03
Inspection Frequency:	Quarterly
Accepted Waste:	Green Materials
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	37-AA-0010
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	Not reported
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	Not reported
Remaining Capacity:	Not reported

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Remaining Capacity with Units: Not reported
Lat/Long: 32.60333 / -117.005

Region: STATE
Facility ID: 37-AA-0010
Lat/Long: 32.60333 / -117.005
Owner Name: Republic Services
Owner Telephone: 9547692400
Owner Address: Not reported
Owner Address2: 18500 N. Allied Way
Owner City,St,Zip: Phoenix, AZ 82054
Operational Status: Active
Operator: Otay Landfill Inc.
Operator Phone: 6194494053
Operator Address: Not reported
Operator Address2: 8514 Mast Blvd.
Operator City,St,Zip: Santee, CA 92071
Permit Date: 06/26/2017
Permit Status: Permitted
Permitted Acreage: $409.00
Activity: Solid Waste Landfill
Regulation Status: Permitted
Landuse Name: Industrial,Agricultural
GIS Source: Map
Category: Disposal
Unit Number: 01
Inspection Frequency: Monthly
Accepted Waste: Agricultural,Ash,Construction/demolition,Contaminated soil,Dead Animals,Green Materials,Industrial,Inert,Mixed municipal,Other designated,Sludge (BioSolids),Tires
Closure Date: 02/28/2030
Closure Type: Estimated
Disposal Acreage: $230.00
SWIS Num: 37-AA-0010
Waste Discharge Requirement Num: III
Program Type: BOE Reporting Disposal Facility,Composite_Lined _LF_Cell(s),Financial Assurance Responsibilities,Remaining Capacity Landfill,Treated Wood Waste Acceptance
Permitted Throughput with Units: 6700
Actual Throughput with Units: Tons/day
Permitted Capacity with Units: 61154000
Remaining Capacity: 21194008
Remaining Capacity with Units: Cubic Yards
Lat/Long: 32.60333 / -117.005

Region: STATE
Facility ID: 37-AA-0973
Lat/Long: 32.60135 / -117.0128
Owner Name: Otay Landfill Inc.
Owner Telephone: 6194494053
Owner Address: Not reported
Owner Address2: 8514 Mast Blvd.
Owner City,St,Zip: Santee, CA 92071
Operational Status: Active
Operator: Otay Landfill Inc.
Operator Phone: 6194494053
Operator Address: Not reported

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Operator Address2:	8514 Mast Blvd.
Operator City,St,Zip:	Santee, CA 92071
Permit Date:	07/09/2014
Permit Status:	Permitted
Permitted Acreage:	$5.50
Activity:	Medium Vol CDI Debris Proc. Fac.
Regulation Status:	Permitted
Landuse Name:	Residential,Commercial
GIS Source:	Map
Category:	Transfer/Processing
Unit Number:	01
Inspection Frequency:	Monthly
Accepted Waste:	Asphalt Shingles,Construction/demolition,Inert,Wood waste
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	37-AA-0973
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	174
Actual Throughput with Units:	Tons/day
Permitted Capacity with Units:	54288
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Tons/year
Lat/Long:	32.60135 / -117.0128

Region:	STATE
Facility ID:	37-AA-0975
Lat/Long:	32.60333 / -117.005
Owner Name:	Otay Landfill Inc.
Owner Telephone:	6194494053
Owner Address:	Not reported
Owner Address2:	8514 Mast Blvd.
Owner City,St,Zip:	Santee, CA 92071
Operational Status:	Active
Operator:	Plants Choice, Inc.
Operator Phone:	6195859909
Operator Address:	Beng Hoe Ooi
Operator Address2:	PO Box 436050
Operator City,St,Zip:	San Ysidro, CA 92154
Permit Date:	01/25/2016
Permit Status:	Notification
Permitted Acreage:	$4.00
Activity:	Composting Operation (Green Waste)
Regulation Status:	Notification
Landuse Name:	Commercial
GIS Source:	Map
Category:	Composting
Unit Number:	01
Inspection Frequency:	Quarterly
Accepted Waste:	Green Materials,Wood waste
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	37-AA-0975
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Permitted Throughput with Units: 200
Actual Throughput with Units: Tons/day
Permitted Capacity with Units: 40000
Remaining Capacity: Not reported
Remaining Capacity with Units: Tons/year
Lat/Long: 32.60333 / -117.005

Region: STATE
Facility ID: 37-AA-0984
Lat/Long: 32.60436 / -117.00536
Owner Name: Otay Landfill, Inc.
Owner Telephone: 6194213773
Owner Address: Neil Mohr
Owner Address2: 1700 Maxwell Rd.
Owner City,St,Zip: Chula Vista, CA 91912
Operational Status: Active
Operator: Otay Landfill, Inc.
Operator Phone: 6194213773
Operator Address: Neil Mohr
Operator Address2: 1700 Maxwell Rd.
Operator City,St,Zip: Chula Vista, CA 91912
Permit Date: 12/18/2015
Permit Status: Notification
Permitted Acreage: $4.00
Activity: Composting Operation (Research)
Regulation Status: Notification
Landuse Name: Residential
GIS Source: Map
Category: Composting
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Food Wastes
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 37-AA-0984
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 210
Actual Throughput with Units: Tons/week
Permitted Capacity with Units: 11000
Remaining Capacity: Not reported
Remaining Capacity with Units: Tons/year
Lat/Long: 32.60436 / -117.00536

LOS ANGELES CO. LF:
Site ID: 2718
Alt. Address: N/A
Site Contact: Not reported
Site Contact Phone: (619) 421-5192
Site Email: Not reported
Site Website: http://www.sandiego.gov/environmental-services/recycling/locations/otaylandfill.
Site Type: Out-of-County Facility
Site SWIS Number: 37-AA-0010
Beginning Operation Date: N/A
Ending Operation Date: N/A
Local Enforcement Agency: County of San Diego Department of Environmental

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Maximun Depth Fill(Ft):	N/A
Permitted Capacity:	346
Present Use:	Solid Waste Landfill
Remaining Capacity(Million):	24,514,904
Status:	Active
Waste Accepted:	Construction & Demolition;Green Materials;Household Trash;Metals;Tires;
Hours of Operation:	Monday - Friday 7am-4pm; Saturday 7am-3pm
Disposal Area (Acre):	230

Detail As Of 01/2014:

Operator Name:	Unknown
Operator Address:	Not reported
Operator City/State/Zip:	Not reported
Operator Contact:	Not reported
Operator Telephone:	Not reported
Operator Email:	Not reported
Owner Name:	Unknown
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported

SAN DIEGO CO. LF:

Facility Status:	ACTIVE SITES
Operational Status:	ACTIVE
Region:	SAN DIEGO
SWIS Number:	37-AA-0984
Owner Name:	OTAY LANDFILL, INC
Operator:	OTAY LANDFILL, INC
Facility Type:	ORGANIC MATERIALS HANDLING FACILITIES
Facility Type2:	RESEARCH COMPOSTING OPERATION
PERMTIER:	EA NOTIFICATION
Inspection Frequency:	QUARTERLY

LDS:

Global Id:	L10009614226
Latitude:	32.60493
Longitude:	-117.0048
Case Type:	Land Disposal Site
Status:	Open - Operating
Status Date:	07/20/2010
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Caseworker:	JRO
Local Agency:	Not reported
RB Case Number:	9 000000214
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Not reported
EDR Link ID:	L10009614226
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon, Trichloroethylene (TCE), Nitrate, Other inorganic / salt, Lead, MTBE / TBA / Other Fuel Oxygenates, Other Petroleum, Total Petroleum Hydrocarbons (TPH)
Site History:	Active Class III Landfill covered by waste discharge requrements issued by the San Diego Water Board as Order 90-009 (individual WDRs) and Order 93-86 (General WDRS). Both sets of WDRs are available from

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

the San Diego Water Board web page and in the Geotracker database (see "Site Documents" tab).

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

ENF:

Region:	9
Facility Id:	246288
Agency Name:	Republic Services (former Allied Waste), Inc
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.60149
Place Longitude:	-117.01644
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Solid wastes, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000214
Reg Measure Id:	213828
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-1993-086
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/24/2013

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Effective Date:	02/26/1979
Expiration/Review Date:	06/15/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	17 - Sibling site
Direction/Voice:	Passive
Enforcement Id(EID):	246812
Region:	9
Order / Resolution Number:	R9-2002-330
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	10/11/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000214
Description:	CAO R9-2002-330 was issued pursuant to Governor's Executive Order D-62-02 to implement a moratorium on the disposal of decommissioned waste (low-level radioactive wastes) at Class III and unclassified WMUs located in the San Diego Region.
Program:	LFOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	9
Facility Id:	246288
Agency Name:	Republic Services (former Allied Waste), Inc
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.60149
Place Longitude:	-117.01644
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Solid wastes, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000214
Reg Measure Id:	213828
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-1993-086
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/24/2013
Effective Date:	02/26/1979
Expiration/Review Date:	06/15/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	17 - Sibling site
Direction/Voice:	Passive
Enforcement Id(EID):	242139
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	05/10/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Status:	Historical
Title:	Enforcement - 9 000000214
Description:	REQUEST FOR ANALYTICAL RESULTS FOR RADIOACTIVE WASTE CONSTITUENTS IN LEACHATE AND/OR GROUNDWATER. PER REQUEST OF EXEC DIRECTOR SWRCB ON 4/25/02.
Program:	LFOPER
Latest Milestone Completion Date:	2003-01-31
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	246288
Agency Name:	Republic Services (former Allied Waste), Inc
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.60149
Place Longitude:	-117.01644
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Solid wastes, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000214
Reg Measure Id:	213828
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-1993-086

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/24/2013
Effective Date:	02/26/1979
Expiration/Review Date:	06/15/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	17 - Sibling site
Direction/Voice:	Passive
Enforcement Id(EID):	238569
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	07/02/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	2001-10-18
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000214
Description:	WC 13267 letter requesting amended ROWD (update to JTD) concerning management of radioactive wastes and revised monitoring program for surface water and groundwater to include radioactive waste constituents.
Program:	LFOPER
Latest Milestone Completion Date:	2001-10-18
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	9
Facility Id:	246288
Agency Name:	Republic Services (former Allied Waste), Inc
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Place Latitude:	32.60149
Place Longitude:	-117.01644
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Solid wastes, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000214
Reg Measure Id:	213828
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-1993-086
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/24/2013
Effective Date:	02/26/1979
Expiration/Review Date:	06/15/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	17 - Sibling site
Direction/Voice:	Passive
Enforcement Id(EID):	238501
Region:	9

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	10/02/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/02/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000214
Description:	NOV for failure to submit information under WC13267. Requested info included plans for management of existing low level radioactive wastes and monitoring & reporting plan including surface and ground water discharges of radioactive waste constituents.
Program:	LFOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	246288
Agency Name:	Republic Services (former Allied Waste), Inc
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.60149
Place Longitude:	-117.01644
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Solid wastes, NEC
Facility Waste Type 3:	Not reported

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Facility Waste Type 4:	Not reported
Program:	LFOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000214
Reg Measure Id:	213828
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-1993-086
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/24/2013
Effective Date:	02/26/1979
Expiration/Review Date:	06/15/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	17 - Sibling site
Direction/Voice:	Passive
Enforcement Id(EID):	236596
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	07/02/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	2001-10-18
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000214
Description:	WC 13267 letter requesting amended ROWD (update to JTD) concerning management of radioactive wastes and revised monitoring program for surface water and groundwater to include radioactive waste constituents.
Program:	LFOPER
Latest Milestone Completion Date:	2001-10-18
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	246288
Agency Name:	Republic Services (former Allied Waste), Inc
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.60149
Place Longitude:	-117.01644
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Solid wastes, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000214
Reg Measure Id:	213828
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-1993-086
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/24/2013
Effective Date:	02/26/1979
Expiration/Review Date:	06/15/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	17 - Sibling site
Direction/Voice:	Passive
Enforcement Id(EID):	235172
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	11/14/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2000-12-28
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000214
Description:	Letter requesting information to assess the threat to water quality from low level radioactive wastes discovered at the Otay Annex (Class III) Landfill. County of San Diego LEA and State DHS are also evaluating the potential human health effects.
Program:	LFOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	9
Facility Id:	246288
Agency Name:	Republic Services (former Allied Waste), Inc
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.60149
Place Longitude:	-117.01644
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000214
Reg Measure Id:	131120
Reg Measure Type:	WDR
Region:	9
Order #:	R9-1990-0009
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	12/11/2014
Effective Date:	10/15/1997
Expiration/Review Date:	06/30/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	11/3/2003
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	50 - Land Disposal Site paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	406715
Region:	9
Order / Resolution Number:	R9-2016-0067
Enforcement Action Type:	13267 Letter
Effective Date:	07/11/2016
Adoption/Issuance Date:	07/11/2016
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	13267 Letter R9-2016-0067 for Republic Services (former Allied Waste), Inc
Description:	Investigative Order and NOV requesting information about excess leachate production (approx. 900,000 gal/month) and

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

	slope stability evaluation for SE corner of landfill where leachate ponding seems to be occurring.
Program:	LFOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	246288
Agency Name:	Republic Services (former Allied Waste), Inc
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.60149
Place Longitude:	-117.01644
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000214
Reg Measure Id:	131120
Reg Measure Type:	WDR
Region:	9
Order #:	R9-1990-0009
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	12/11/2014
Effective Date:	10/15/1997
Expiration/Review Date:	06/30/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	11/3/2003
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	50 - Land Disposal Site paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	404725
Region:	9
Order / Resolution Number:	R9-2016-0067
Enforcement Action Type:	Notice of Violation
Effective Date:	07/11/2016
Adoption/Issuance Date:	07/11/2016
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	NOV R9-2016-0067 for Republic Services (former Allied Waste), Inc
Description:	Not reported
Program:	LFOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	9
Facility Id:	246288
Agency Name:	Republic Services (former Allied Waste), Inc
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.60149
Place Longitude:	-117.01644
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	1
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000214
Reg Measure Id:	131120
Reg Measure Type:	WDR
Region:	9
Order #:	R9-1990-0009
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	12/11/2014
Effective Date:	10/15/1997
Expiration/Review Date:	06/30/2010
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	11/3/2003
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	50 - Land Disposal Site paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	399098
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	12/10/2014
Adoption/Issuance Date:	12/10/2014
Achieve Date:	Not reported
Termination Date:	12/10/2014

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL 12/10/2014 for Republic Services (former Allied Waste), Inc
Description:	Not reported
Program:	LFOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

CA Financial Assurance 2:

Region:	2
SWIS_NO:	37-AA-0010
Closure Approved:	Yes
Closure Inf Coverage Date:	06/01/2017
Closure Plan Coverage:	$12,544,066.00
Closure Plan Date:	06/01/2016
PostClose Approved:	Yes
PostClose Adequacy Date:	06/01/2016
PostClose Inf Coverage:	$17,794,713.00
PostClose Inf Coverage Date:	06/01/2017
CorActCoverage:	$446,503.00
CorActApproved:	Yes
CorAct Mec Adequacy Date:	Not reported
CorAct Inf Coverage:	$430,383.00
CorActPlanCoverage:	$424,860.00
CorAct Plan Date:	12/31/2016
Lia Coverage:	$10,000,000.00
Lia Approved:	Yes
Review:	06/09/2017
Closure Mechanism A:	SURETY BOND
Closure Mechanism B:	Not reported
Closure Coverage:	$12,707,139.00
Closure Adequacy:	Not reported
Closure Inflation Estimate:	$12,707,139.00
Post Closure Mechanism A:	SURETY BOND
Post Closure Established A:	01/19/2004
Post Closure Mechanism B:	Not reported
Post Closure Coverate:	$17,794,713.00
Post Closure Adequacy:	Not reported
Corrective Action Extablished A:	01/19/2004
Corrective Actiont Coverage:	$446,503.00
Corrective Action Approved:	Yes
Corrective Action Inflation Estimate:	$430,383.00
Corrective Action Inflationdate:	06/01/2017
Corrective Action Plan Estimate:	$424,860.00
Liability Mechanism A:	INSURANCE
Liability Established A:	01/01/2004
Liability Mechanism B:	Not reported
CostAnniversary:	11/26/2008
ClosureEstablishedA:	01/19/2004

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

ClosureEstablishedB:	Not reported
ClosureDisbursement:	0
PostClosureEstablishedB:	Not reported
PostClosureDisbursement:	0
CorrectiveActionMechanismA:	SURETY BOND
CorrectiveActionMechanismB:	Not reported
CorrectiveActionExtablishedB:	Not reported
CorrectiveActiontDisbursement:	0
LiabilityEstabllishedB:	Not reported
LiabilityAdequacy:	Not reported
Contact:	Not reported

NPDES:

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	218578
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I013509
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/10/1997
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Otay Landfill Inc
Discharge Address:	8514 Mast Blvd
Discharge City:	Santee
Discharge State:	California
Discharge Zip:	92071
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

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

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 DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER 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:	9
Regulatory Measure Id:	218578
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I013509
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:	11/10/1997
STATUS CODE NAME:	Active
STATUS DATE:	11/10/1997
PLACE SIZE:	516
PLACE SIZE UNIT:	Acres

APPROPRIATE TECHNOLOGIES II INC (Continued) **S109287760**

FACILITY CONTACT NAME:	Antonia Gunner
FACILITY CONTACT TITLE:	Environmental Specialist
FACILITY CONTACT PHONE:	619-499-9579
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	agunner@republicservices.com
OPERATOR NAME:	Otay Landfill Inc
OPERATOR ADDRESS:	8514 Mast Blvd
OPERATOR CITY:	Santee
OPERATOR STATE:	California
OPERATOR ZIP:	92071
OPERATOR CONTACT NAME:	Antonia Gunner
OPERATOR CONTACT TITLE:	Environmental Specialist
OPERATOR CONTACT PHONE:	619-499-9579
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	agunner@republicservices.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	619-449-9579
EMERGENCY PHONE EXT:	14
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 DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Otay Valley River To Pacific
CERTIFIER NAME:	Neil Mohr
CERTIFIER TITLE:	General Manager
CERTIFICATION DATE:	04-MAY-15
PRIMARY SIC:	4953-Refuse Systems
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

I31
ENE
1/2-1
0.908 mi.
4792 ft.

Relative:
Higher

Actual:
349 ft.

APPROPRIATE TECHNOLOGIES II
1700 MAXWELL RD
CHULA VISTA, CA 92011

Site 4 of 4 in cluster I

SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
RCRA-SQG
2020 COR ACTION
NY MANIFEST

1000367959
CAT080010101

SEMS-ARCHIVE:
Site ID: 902662
EPA ID: CAT080010101
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0902662
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13290431.00000
Person ID: 13003854.00000

Contact Sequence ID: 13296026.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301884.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: CHANCELLONT OGDEN
Alias Address: Not reported
CA

Alias Name: OTAY IND WASTE TRANSFER STA BKK
Alias Address: Not reported
CA

Alias Name: BKK CORP
Alias Address: Not reported
CA

Alias Name: OTAY LDFL
Alias Address: Not reported
CA

Alias Name: APTEC II
Alias Address: Not reported
CA

Program Priority:
Description: RCRA Deferral - Lead Confirmed

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Date Completed: 08/01/80
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 03/01/84
Date Completed: 11/01/87
Priority Level: Deferred to RCRA (Subtitle C)

Action: SITE INSPECTION
Date Started: / /
Date Completed: 09/15/89
Priority Level: Deferred to RCRA (Subtitle C)

Action: RESOURCE CONSERVATION AND RECOVERY ACT FACILITY ASSESSMENT
Date Started: / /
Date Completed: 09/15/89
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 01/23/96
Priority Level: Not reported

CORRACTS:

EPA ID: CAT080010101
EPA Region: 09
Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date: 19940401
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20121002
Action: CA800YE
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: 20121002
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20101208
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,
Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Original schedule date: 20101208
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20101208
Action: CA550RC
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: 20101208
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20100812
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: 20100812
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date: 19940614
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date: 19910420
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20110920
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 48411 48411
General Freight Trucking, Local

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

	General Freight Trucking, Local
Original schedule date:	20111124
Schedule end date:	Not reported

EPA ID:	CAT080010101
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	20110920
Action:	CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s):	48411 48411
	General Freight Trucking, Local
	General Freight Trucking, Local
Original schedule date:	20111124
Schedule end date:	Not reported

EPA ID:	CAT080010101
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	20110920
Action:	CA550RC
NAICS Code(s):	48411 48411
	General Freight Trucking, Local
	General Freight Trucking, Local
Original schedule date:	20111124
Schedule end date:	Not reported

EPA ID:	CAT080010101
EPA Region:	09
Area Name:	WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date:	19950222
Action:	CA200 - RFI Approved
NAICS Code(s):	48411 48411
	General Freight Trucking, Local
	General Freight Trucking, Local
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	CAT080010101
EPA Region:	09
Area Name:	WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date:	19930624
Action:	CA100DC - RFI Imposition, Focused data collection required for stabilization evaluation
NAICS Code(s):	48411 48411
	General Freight Trucking, Local
	General Freight Trucking, Local
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	CAT080010101
EPA Region:	09
Area Name:	WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date:	19890527
Action:	CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s):	48411 48411
	General Freight Trucking, Local

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

General Freight Trucking, Local
Original schedule date: 19890527
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date: 19890527
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date: 19890527
Action: CA050 - RFA Completed
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: 19890527
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date: 19920928
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date: 19920928
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: 19920928
Schedule end date: Not reported

EPA ID: CAT080010101

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

EPA Region: 09
Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date: 19920928
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date: 19910629
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: 19910629
Schedule end date: Not reported

EPA ID: CAT080010101
EPA Region: 09
Area Name: WASHOUT PIT & OLD UNLINED EFFLUENT PIPES
Actual Date: 19910629
Action: CA050 - RFA Completed
NAICS Code(s): 48411 48411
General Freight Trucking, Local
General Freight Trucking, Local
Original schedule date: 19910629
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 03/04/1999
Facility name: APPROPRIATE TECHNOLOGIES II INC.
Site name: APPROPRIATE TECHNOLOGIES II, INC.
Facility address: 1700 MAXWELL RD
CHULA VISTA, CA 91911
EPA ID: CAT080010101
Mailing address: 2210 SOUTH AZUSA AVE
WEST COVINA, CA 91792
Contact: JOHN FAULKNER
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 626-965-0911
Telephone ext.: 319
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

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

Historical Generators:
Date form received by agency: 09/01/1996
Site name: APPROPRIATE TECHNOLOGIES II INC.
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: APPROPRIATE TECHNOLOGIES II INC.
Classification: Small Quantity Generator

Date form received by agency: 02/27/1996
Site name: APPROPRIATE TECHNOLOGIES II INC
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Site name: APPROPRIATE TECHNOLOGIES 11, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/16/1992
Site name: APPROPRIATE TECHNOLOGIES II
Classification: Large Quantity Generator

Date form received by agency: 04/16/1990
Site name: APPROPRIATE TECHNOLOGIES II
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: APPROPRIATE TECHNOLOGIES II INC.
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 11/01/1987
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 11/01/1987
Event: PA OR CERCLA INSPECTION

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Event date: 11/01/1987
Event: LEAD AGENCY DETERMINATION

Event date: 05/27/1989
Event: RFA COMPLETED

Event date: 05/27/1989
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 05/27/1989
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

Event date: 09/15/1989
Event: PA OR CERCLA INSPECTION

Event date: 04/20/1991
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 06/29/1991
Event: RFA COMPLETED

Event date: 06/29/1991
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

Event date: 09/28/1992
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 09/28/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 09/28/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 06/24/1993
Event: RFI IMPOSITION-FOCUSED DATA COLLECTION REQ STAB EVAL

Event date: 04/01/1994
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 06/14/1994
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 02/22/1995
Event: INVESTIGATION COMPLETE

Event date: 08/12/2010
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 08/12/2010
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 12/08/2010
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Event date: 12/08/2010
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 12/08/2010
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 12/08/2010
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 09/20/2011
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 09/20/2011
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 09/20/2011
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 10/02/2012
Event: READY FOR ANTICIPATED USE DETERMINATION - READY FOR ANTICIPATED USE

Facility Has Received Notices of Violations:
Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 11/29/1995
Date achieved compliance: 11/29/1995
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/26/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 11/29/1995
Date achieved compliance: 11/29/1995
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/26/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 11/29/1995
Date achieved compliance: 11/29/1995
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Enforcement action date: 07/26/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 11/29/1995
Date achieved compliance: 12/28/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/29/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 11/29/1995
Date achieved compliance: 12/28/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/29/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 11/29/1995
Date achieved compliance: 12/28/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/29/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 11/29/1995
Date achieved compliance: 12/28/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/29/1995

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 11/28/1994
Date achieved compliance: 12/07/1994
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/28/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 07/12/1994
Date achieved compliance: 12/07/1994
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 04/20/1994
Date achieved compliance: 07/12/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 04/07/1994
Date achieved compliance: 04/20/1994
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/02/1994
Enf. disposition status: Not reported

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 04/07/1994
Date achieved compliance: 04/20/1994
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 04/07/1994
Date achieved compliance: 04/20/1994
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/02/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 10000
Paid penalty amount: 10000

Regulation violated: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Enforcement lead agency: State
Proposed penalty amount: 37000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 37000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 10000
Paid penalty amount: 10000

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 10000
Paid penalty amount: 10000

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Proposed penalty amount: 37000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 10000
Paid penalty amount: 10000

Regulation violated: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/18/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 37000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/18/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 10000
Paid penalty amount: 10000

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 37000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/18/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/18/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/18/1994
Date achieved compliance: 08/03/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/18/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 06/22/1993
Date achieved compliance: 12/14/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/18/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/08/1992
Date achieved compliance: 01/21/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 03/10/1992
Date achieved compliance: 12/14/1993
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/22/1991
Date achieved compliance: 12/14/1993
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 10/16/1990
Date achieved compliance: 05/30/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 05/30/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/16/1990
Date achieved compliance: 05/30/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 05/30/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 10/16/1990
Date achieved compliance: 05/30/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 05/30/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Area of violation: TSD - General
Date violation determined: 10/16/1990
Date achieved compliance: 05/30/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/29/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 09/25/1990
Date achieved compliance: 10/16/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/23/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 09/25/1990
Date achieved compliance: 10/16/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/23/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 04/26/1990
Date achieved compliance: 08/27/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/07/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Date violation determined: 12/06/1989
Date achieved compliance: 09/07/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/08/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 12/06/1989
Date achieved compliance: 09/07/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/08/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 12/06/1989
Date achieved compliance: 09/07/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/08/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 12/06/1989
Date achieved compliance: 09/07/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/08/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 03/20/1989

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Date achieved compliance: 08/23/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 07/10/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 24000
Final penalty amount: 24000
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 03/20/1989
Date achieved compliance: 08/23/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 07/10/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 24000
Final penalty amount: 24000
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 03/20/1989
Date achieved compliance: 08/23/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 07/10/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 24000
Final penalty amount: 24000
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 06/01/1988
Date achieved compliance: 08/12/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/13/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 12/08/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/26/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/25/1996
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/11/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/08/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/29/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/28/1995
Evaluation lead agency: State

Evaluation date: 11/29/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/25/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/29/1995
Evaluation lead agency: EPA

Evaluation date: 11/29/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/12/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/07/1994
Evaluation lead agency: EPA

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Evaluation date: 07/12/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/07/1994
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 04/20/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/12/1994
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 03/03/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/20/1994
Evaluation lead agency: EPA

Evaluation date: 12/06/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/03/1995
Evaluation lead agency: State

Evaluation date: 12/06/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 08/03/1995
Evaluation lead agency: State

Evaluation date: 06/21/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/14/1993
Evaluation lead agency: State

Evaluation date: 01/21/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/21/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 07/08/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/21/1993
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 04/16/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/10/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/14/1993
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 11/22/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/14/1993
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 10/22/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/18/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 10/16/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/30/1991
Evaluation lead agency: State

Evaluation date: 10/16/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/30/1991
Evaluation lead agency: State

Evaluation date: 10/02/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/25/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 10/16/1990
Evaluation lead agency: EPA

Evaluation date: 05/08/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Evaluation date: 04/26/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/27/1990
Evaluation lead agency: State

Evaluation date: 12/06/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 09/07/1990
Evaluation lead agency: EPA

Evaluation date: 12/06/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 09/07/1990
Evaluation lead agency: EPA

Evaluation date: 03/20/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/23/1989
Evaluation lead agency: State

Evaluation date: 03/20/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/23/1989
Evaluation lead agency: State

Evaluation date: 06/06/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/12/1988
Evaluation lead agency: State

2020 COR ACTION:
EPA ID: CAT080010101
Region: 9
Action: Not reported

NY MANIFEST:
Country: USA
EPA ID: CAT080010101
Facility Status: Not reported
Location Address 1: 1700 MAXWELL ROAD
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: CHULA VISTA
Location State: CA

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Location Zip:	92011
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	CAT080010101
Mailing Name:	APPROPRIATE TECHNOLOGIES II
Mailing Contact:	APPROPRIATE TECHNOLOGIES II
Mailing Address 1:	1700 MAXWELL ROAD
Mailing Address 2:	Not reported
Mailing City:	CHULA VISTA
Mailing State:	CA
Mailing Zip:	92011
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	6194211175

NY MANIFEST:

Document ID:	NYB7314453
Manifest Status:	K
seq:	Not reported
Year:	1996
Trans1 State ID:	11284PNY
Trans2 State ID:	Not reported
Generator Ship Date:	09/16/1996
Trans1 Recv Date:	09/16/1996
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/04/1996
Part A Recv Date:	/ /
Part B Recv Date:	10/22/1996
Generator EPA ID:	CAT080010101
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00008
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.

APPROPRIATE TECHNOLOGIES II (Continued) **1000367959**

Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00011
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00126
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00008
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	P098 - POTASSIUM CYANIDE
Quantity:	00234
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	P098 - POTASSIUM CYANIDE
Quantity:	00234
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
35 additional NY_MANIFEST: record(s) in the EDR Site Report.

Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CHULA VISTA	S108217438	PUBLIC STORAGE FACILITY	2317 MAIN (SB) ST	91911	CA SAN DIEGO CO. SAM
CHULA VISTA	S105155605	SHINOHARA II	OTAY VALLEY ROAD		CA SWF/LF
CHULA VISTA	S106874190	ARCO	4430 OTAY VALLEY RD	91911	CA SAN DIEGO CO. SAM
CHULA VISTA CA	S103443330	WALKER SCOTT PROPERTY	OTAY VALLEY RD	91911	CA WMUDS/SWAT, CA San Diego Co HMMD
SAN DIEGO	1015730674	OTAY MESA CID DRUMS	CORNER HERITAGE ROAD AND OTAY	92154	SEMS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 42

Source: EPA
Telephone: N/A
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 42

Source: EPA
Telephone: N/A
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/10/2017	Source: EPA
Date Data Arrived at EDR: 11/03/2017	Telephone: N/A
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 12/22/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 10/06/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 01/15/2018
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/11/2017	Source: EPA
Date Data Arrived at EDR: 07/21/2017	Telephone: 800-424-9346
Date Made Active in Reports: 10/06/2017	Last EDR Contact: 12/22/2017
Number of Days to Update: 77	Next Scheduled EDR Contact: 01/29/2018
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/11/2017
Date Data Arrived at EDR: 07/28/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 70

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
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: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
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: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
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: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
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: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/22/2017
Date Data Arrived at EDR: 06/13/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 94

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/08/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/10/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/27/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/10/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/27/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/18/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

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

Date of Government Version: 10/30/2017
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/31/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/30/2017
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/31/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/13/2017
Date Data Arrived at EDR: 11/14/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 23

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/07/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
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: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
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: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

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

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 57

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/12/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/25/2017
Next Scheduled EDR Contact: 01/08/2018
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: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 134

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
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: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/30/2017
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/31/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/20/2017
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 08/21/2017
Date Data Arrived at EDR: 09/20/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/19/2017
Next Scheduled EDR Contact: 04/02/2018
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: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 9

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/12/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 05/31/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 76

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/09/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/30/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/20/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/03/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 07/13/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 30

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/28/2017
Next Scheduled EDR Contact: 03/12/2018
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: 10/30/2017
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/31/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
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: 07/13/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 30

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/28/2017
Next Scheduled EDR Contact: 03/12/2018
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: 11/27/2017
Date Data Arrived at EDR: 11/29/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 19

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/28/2017
Next Scheduled EDR Contact: 03/12/2018
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.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/31/2017
Date Data Arrived at EDR: 09/05/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/11/2017
Date Data Arrived at EDR: 07/26/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/05/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 63

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/09/2017
Date Data Arrived at EDR: 07/26/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 57

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 58

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/26/2018
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: 09/13/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/22/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/17/2017
Next Scheduled EDR Contact: 02/26/2018
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: 10/17/2017
Date Data Arrived at EDR: 11/01/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/09/2017
Next Scheduled EDR Contact: 02/19/2018
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
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 04/02/2018
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: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/27/2017
Next Scheduled EDR Contact: 02/05/2018
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: 09/27/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 8

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 02/19/2018
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: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 11/20/2017
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
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/08/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 10/26/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2017
Date Data Arrived at EDR: 10/05/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/05/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 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 Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/31/2017
Next Scheduled EDR Contact: 02/12/2018
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: 06/30/2017
Date Data Arrived at EDR: 08/03/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/18/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/02/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/22/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 07/31/2017
Date Data Arrived at EDR: 08/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/28/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/01/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/01/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/25/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 24

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/19/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/23/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 9

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 261

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/21/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2016
Date Data Arrived at EDR: 06/02/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 133

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2017
Date Data Arrived at EDR: 08/17/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 29

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/01/2018
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: 08/02/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 03/19/2018
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: 12/31/2015
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 147

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 34

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/23/2017
Date Data Arrived at EDR: 10/24/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 52

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
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: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/09/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/21/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/21/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/10/2017
Date Data Arrived at EDR: 10/10/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
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: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 11/01/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/12/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 09/01/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 63

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/13/2017
Date Data Arrived at EDR: 11/14/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/05/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 63

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 10/18/2017
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/12/2017
Next Scheduled EDR Contact: 03/26/2018
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: 06/16/2017
Date Data Arrived at EDR: 06/20/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 119

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 04/02/2018
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: 09/11/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 94

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/12/2017
Next Scheduled EDR Contact: 03/26/2018
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: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
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: 12/19/2017
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

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: 09/22/2017
Date Data Arrived at EDR: 09/22/2017
Date Made Active in Reports: 10/10/2017
Number of Days to Update: 18

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/21/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/11/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 27

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 09/13/2017
Date Data Arrived at EDR: 09/15/2017
Date Made Active in Reports: 11/14/2017
Number of Days to Update: 60

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/18/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 08/31/2017
Date Data Arrived at EDR: 09/05/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 64

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/20/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 08/07/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/17/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/25/2017
Number of Days to Update: 64

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/30/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 10/31/2017
Date Data Arrived at EDR: 11/01/2017
Date Made Active in Reports: 11/14/2017
Number of Days to Update: 13

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/25/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 08/18/2017
Date Data Arrived at EDR: 08/22/2017
Date Made Active in Reports: 10/24/2017
Number of Days to Update: 63

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/30/2017
Next Scheduled EDR Contact: 02/12/2018
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: 10/03/2017
Date Data Arrived at EDR: 10/06/2017
Date Made Active in Reports: 11/15/2017
Number of Days to Update: 40

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/27/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 10/25/2017
Date Data Arrived at EDR: 10/27/2017
Date Made Active in Reports: 11/15/2017
Number of Days to Update: 19

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/03/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 10/23/2017
Date Data Arrived at EDR: 10/24/2017
Date Made Active in Reports: 11/15/2017
Number of Days to Update: 22

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/20/2017
Number of Days to Update: 43

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
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: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 11/09/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 11/15/2017
Number of Days to Update: 5

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 07/24/2017
Date Data Arrived at EDR: 07/26/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 82

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
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: 12/13/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/11/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 5

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/16/2017
Date Data Arrived at EDR: 10/17/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 51

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/17/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 10/09/2017
Number of Days to Update: 171

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/14/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 31

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
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: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/11/2017
Date Data Arrived at EDR: 07/14/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 69

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/10/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Semi-Annually

MADERA 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: 10/26/2017
Date Data Arrived at EDR: 10/27/2017
Date Made Active in Reports: 11/06/2017
Number of Days to Update: 10

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/28/2017
Date Data Arrived at EDR: 10/05/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 34

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/27/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 10/02/2017
Date Data Arrived at EDR: 10/03/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 14

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 40

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/21/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 09/11/2017
Date Data Arrived at EDR: 09/15/2017
Date Made Active in Reports: 11/28/2017
Number of Days to Update: 74

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/20/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/21/2017
Next Scheduled EDR Contact: 03/12/2018
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: 11/22/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 22

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/21/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 11/15/2017
Number of Days to Update: 8

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/25/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/09/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 28

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/09/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 36

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/07/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/05/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 63

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 10/23/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/15/2017
Number of Days to Update: 12

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/11/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 28

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/15/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/15/2017
Next Scheduled EDR Contact: 04/02/2018
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: 08/02/2017
Date Data Arrived at EDR: 10/03/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 3

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/03/2017
Next Scheduled EDR Contact: 01/15/2018
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: 08/02/2017
Date Data Arrived at EDR: 10/03/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 44

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/03/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/17/2017
Number of Days to Update: 14

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

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.

Date of Government Version: 08/31/2017
Date Data Arrived at EDR: 09/19/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 58

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/06/2017
Next Scheduled EDR Contact: 02/19/2018
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: 09/05/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 63

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/05/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
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: 11/29/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 10/03/2017
Date Data Arrived at EDR: 10/06/2017
Date Made Active in Reports: 10/10/2017
Number of Days to Update: 4

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/13/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
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: 09/15/2017
Date Data Arrived at EDR: 09/19/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/06/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/15/2017
Date Data Arrived at EDR: 09/19/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 51

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/06/2017
Next Scheduled EDR Contact: 03/26/2018
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: 12/13/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 08/07/2017
Date Data Arrived at EDR: 08/10/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 67

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
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: 11/21/2017
Next Scheduled EDR Contact: 03/12/2018
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 34

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/26/2017
Date Data Arrived at EDR: 09/27/2017
Date Made Active in Reports: 11/10/2017
Number of Days to Update: 44

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/08/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/26/2017
Date Data Arrived at EDR: 09/27/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 42

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/08/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 09/25/2017
Date Data Arrived at EDR: 09/27/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 50

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/19/2017
Next Scheduled EDR Contact: 04/09/2018
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: 10/03/2017
Date Data Arrived at EDR: 10/06/2017
Date Made Active in Reports: 11/10/2017
Number of Days to Update: 35

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/19/2017
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 6

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/01/2017
Date Data Arrived at EDR: 12/04/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 15

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 12/01/2017
Next Scheduled EDR Contact: 03/19/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List
Cupa facilities

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 10/23/2017
Date Data Arrived at EDR: 10/24/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 23

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List
Cupa program facilities

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 09/28/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 18

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 12/18/2017
Next Scheduled EDR Contact: 02/19/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 10/24/2017
Date Data Arrived at EDR: 10/25/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 22

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2017
Date Data Arrived at EDR: 10/25/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 43

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
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
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/27/2017
Next Scheduled EDR Contact: 01/15/2018
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
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/08/2017
Next Scheduled EDR Contact: 02/26/2018
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: 09/26/2017
Date Data Arrived at EDR: 10/25/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 43

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/23/2017
Next Scheduled EDR Contact: 02/05/2018
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: 08/28/2017
Date Data Arrived at EDR: 09/12/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 9

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/11/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 10/02/2017
Date Made Active in Reports: 11/14/2017
Number of Days to Update: 43

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/27/2017
Next Scheduled EDR Contact: 01/15/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 11/08/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 6

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/25/2017
Next Scheduled EDR Contact: 02/12/2018
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: 11/11/2017
Date Data Arrived at EDR: 11/14/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 34

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/14/2017
Next Scheduled EDR Contact: 02/26/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/05/2017
Next Scheduled EDR Contact: 01/22/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/01/2017
Date Data Arrived at EDR: 11/01/2017
Date Made Active in Reports: 11/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/01/2017
Next Scheduled EDR Contact: 02/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/16/2017
Next Scheduled EDR Contact: 01/29/2018
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: 11/16/2017
Next Scheduled EDR Contact: 03/05/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/11/2017
Next Scheduled EDR Contact: 03/26/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

INDUSTRIAL LAND
517 SHINOHARA LANE
CHULA VISTA, CA 91911

TARGET PROPERTY COORDINATES

Latitude (North):	32.597385 - 32˚ 35' 50.59''
Longitude (West):	117.031519 - 117˚ 1' 53.47''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	497042.2
UTM Y (Meters):	3606465.2
Elevation:	204 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5622818 IMPERIAL BEACH, 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).

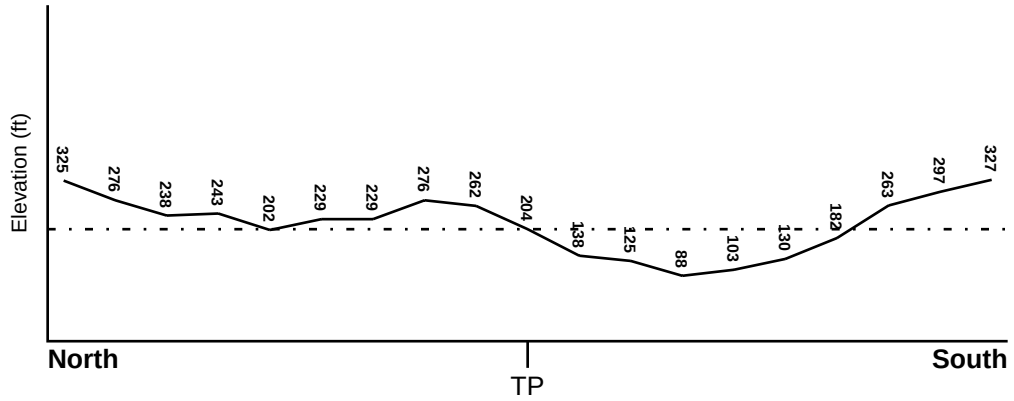
TOPOGRAPHIC INFORMATION

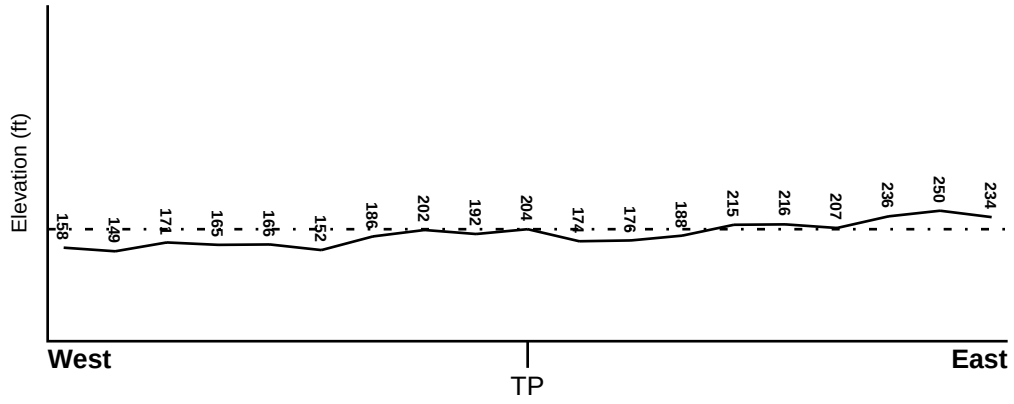
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 204 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06073C2156G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06073C2157G	FEMA FIRM Flood data
06073C2158G	FEMA FIRM Flood data
06073C2159G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
IMPERIAL BEACH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile East
Site Name:	APPROPRIATE TECHNOLOGIES II
Site EPA ID Number:	CAT080010101
Groundwater Flow Direction:	W TOWARD SAN DIEGO BAY.
Inferred Depth to Water:	110 to 180 feet.
Hydraulic Connection:	Information is not available regarding the hydraulic connection between aquifer(s) underlying the site.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred 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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/8 - 1/4 Mile SW	WSW
3	1/4 - 1/2 Mile ESE	Varies
1G	1/4 - 1/2 Mile ESE	Varies
2G	1/8 - 1/4 Mile SW	WSW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

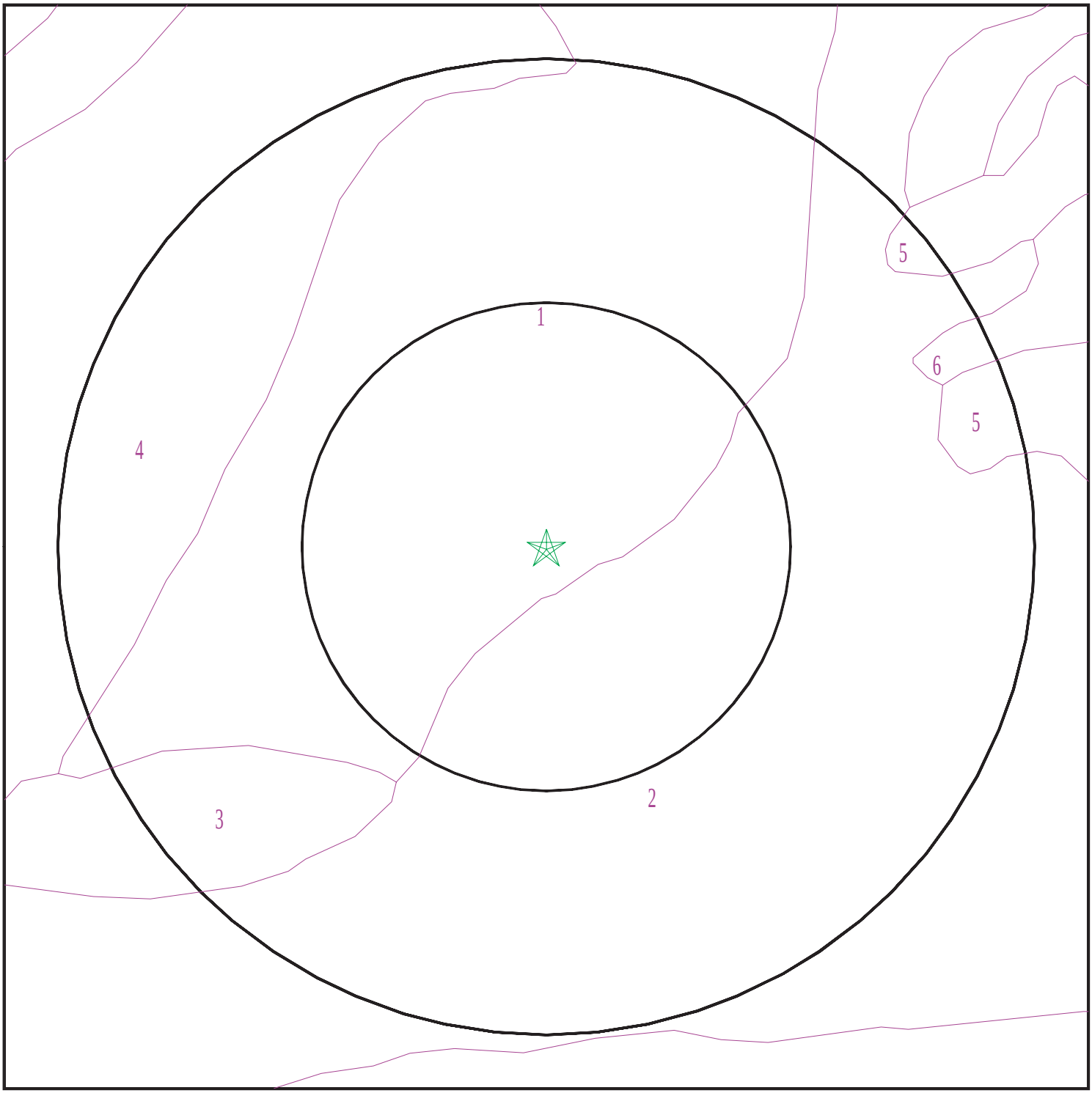
Era:	Cenozoic
System:	Tertiary
Series:	Pliocene
Code:	Tp *(decoded above as Era, System & Series)*

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 - 5146125.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Industrial Land	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	517 Shinohara Lane Chula Vista CA 91911	CONTACT:	Adrian Rivas
		INQUIRY #:	5146125.2s
LAT/LONG:	32.597385 / 117.031519	DATE:	December 27, 2017 4:50 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: OLIVENHAIN

Soil Surface Texture: cobbly 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: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.6
2	9 inches	27 inches	very cobbly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 5.5 Min: 5.1
3	27 inches	44 inches	cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 5.5 Min: 5.1

Soil Map ID: 2

Soil Component Name: SALINAS

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	22 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
2	22 inches	46 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
3	46 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: OLIVENHAIN

Soil Surface Texture: cobbly 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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6 Min: 5.6
2	9 inches	42 inches	very cobbly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 5.5 Min: 5.1
3	42 inches	59 inches	cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 5.5 Min: 5.1

Soil Map ID: 4

Soil Component Name: OLIVENHAIN

Soil Surface Texture: cobbly 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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.6
2	9 inches	42 inches	very cobbly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 5.5 Min: 5.1
3	42 inches	59 inches	cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 5.5 Min: 5.1

Soil Map ID: 5

Soil Component Name: LINNE

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: 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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	14 inches	37 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	37 inches	40 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 6

Soil Component Name: DIABLO

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	14 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 6.6
3	31 inches	35 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS40000129253	1/4 - 1/2 Mile ESE
4	USGS40000129254	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

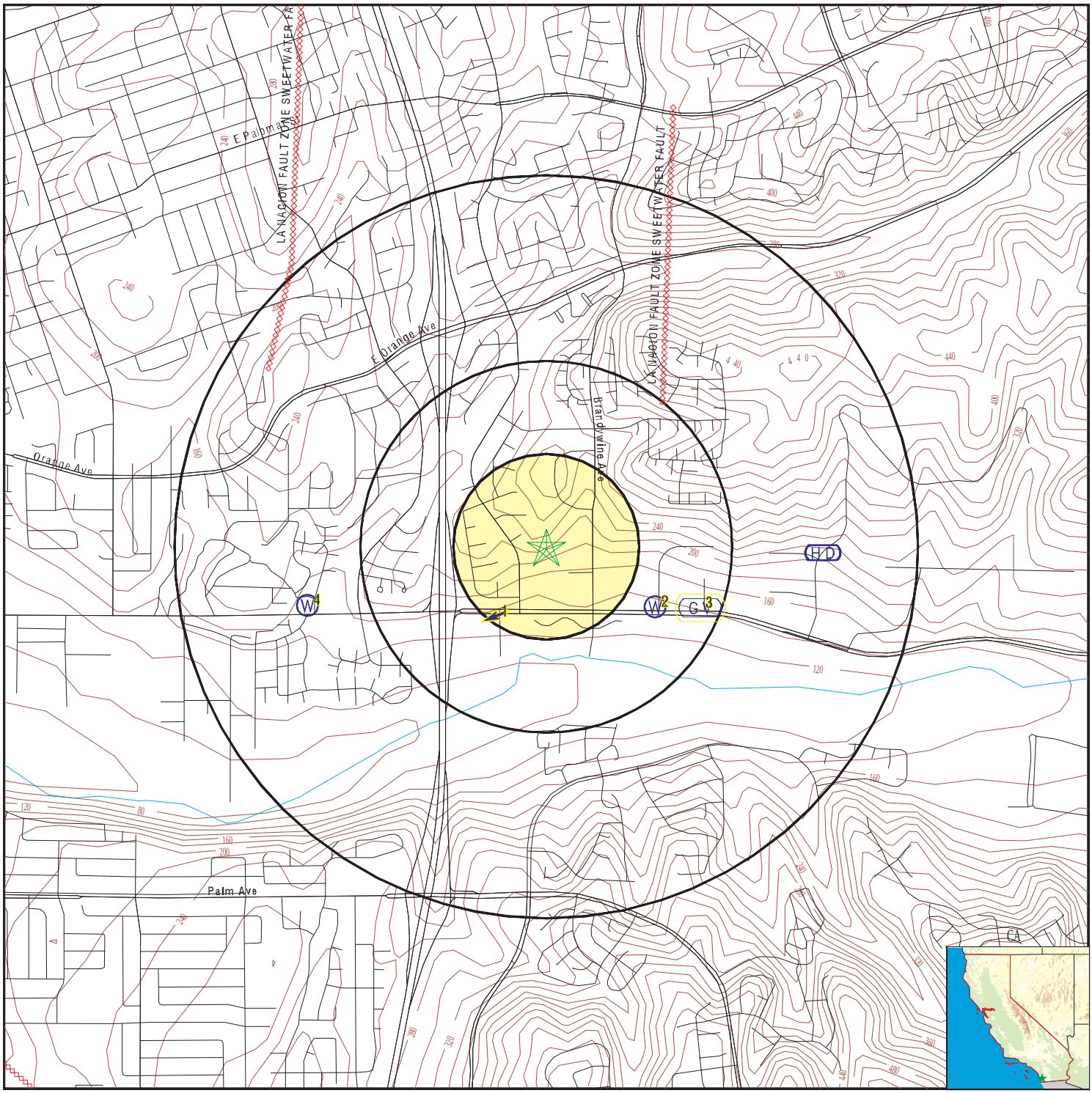
MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 5146125.2s



County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME:	Industrial Land	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	517 Shinohara Lane Chula Vista CA 91911	CONTACT:	Adrian Rivas
		INQUIRY #:	5146125.2s
LAT/LONG:	32.597385 / 117.031519	DATE:	December 27, 2017 4:50 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 **SW** **1/8 - 1/4 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT1584 WSW 25 35 Not Reported 04/12/1990	**AQUIFLOW**	**33964**

2
ESE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000129253**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-323542117013501		
Monloc name:	018S001W19D001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.5950389
Longitude:	-117.0264944	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	128
Vert measure units:	feet	Vertacc measure val:	10
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:	19511101	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	182
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

3 **ESE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Varies 18 35 Not Reported 07/15/1989	**AQUIFLOW**	**34110**

4
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000129254**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-323542117023301		
Monloc name:	018S002W24C001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.5950944
Longitude:	-117.0425333	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	130
Vert measure units:	feet	Vertacc measure val:	10
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:	19960630	Welldepth:	1200
Welldepth units:	ft	Wellholedepth:	1420
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

1G
ESE
1/4 - 1/2 Mile
Lower

Site ID:	Not Reported	**AQUIFLOW**	**34110**
Groundwater Flow:	Varies		
Shallow Water Depth:	18		
Deep Water Depth:	35		
Average Water Depth:	Not Reported		
Date:	07/15/1989		

2G
SW
1/8 - 1/4 Mile
Lower

Site ID:	9UT1584	**AQUIFLOW**	**33964**
Groundwater Flow:	WSW		
Shallow Water Depth:	25		
Deep Water Depth:	35		
Average Water Depth:	Not Reported		
Date:	04/12/1990		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91911	4	0

Federal EPA Radon Zone for SAN DIEGO 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 SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.677 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

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

APPENDIX D: QUALIFICATIONS/INSURANCE

PARTNER

Education

B.A. in Psychology with minors in business, English, and journalism – Indiana University

Highlights

10+ years – writing and editing in the environmental field as follows:

- Environmental Project Manager conducting Phase I Environmental Risk and Transaction Screen Assessments and writing associated assessment and desktop reports
- Technical Editor/Proofreader on a government contract working on the U.S. Department of Energy's Yucca Mountain High-Level Nuclear Waste Storage project License Application Design Selection; SAIC (1998 – 1999)
- Technical Editor on a government contract working the Environmental Impact Statement for the U.S. Department of Energy's Yucca Mountain High-Level Nuclear Waste Storage project License Application Design Selection; Jason Associates Corp. (2000 – 2001)

23+ years – writing and editing; journalism

Experience Summary

Ms. Gengler has been in the environmental services industry for over 10+ years. She has functioned as a Staff Assessor and Environmental Project Manager, conducting Phase I Environmental Risk, Transaction Screen Assessments, writing associated assessment and desktop reports, as well as records search with risk assessments on: multi-family residential and commercial properties that include gas stations, industrial sites, retail centers, motels/hotels. She has performed/conducted more than 1,000 environmental risk assessments.

Project Experience

Notable projects include:

- Serving as project manager for environmental assessments of 62 sites throughout Los Angeles County for the enhanced Los Angeles Regional Interoperable Communications System (LA RICS). The assessed sites included: sheriff stations, fire stations, and medical centers that were municipally owned.

- Served as project manager for a site in Vernon, CA that was represented as a bedding products storage and distribution facility. The site was identified as a decommissioned ammunitions manufacturing plant for the Department of the Army. Features of the site included three underground storage tanks (USTs) which consisted of a 10,000-gallon quench oil, a 20,000-gallon quench oil, and a 1,500-gallon fuel oil UST. The tanks were connected to piping which ran into the adjacent buildings and areas. It further included trenches, grinding machine areas, furnace pits, a phosphate machine containment area, a waste treatment containment area, a cooling tower sump, interior and exterior clarifiers, steam cleaning pits, plating bathes, and numerous other containment areas and sumps.

- Served as project manager for a 1,650-acre site in Riverdale, CA occupied by a dairy farm with a capacity of approximately 4,000 head of cattle, an onsite biogas project, and numerous active oil

wells. For the biogas project, methane gas was derived from manure to provide the gas to a Pacific Gas & Electric (PG&E) power plant. As cow manure decomposed, it produced methane, a greenhouse gas more potent than carbon dioxide. The biogas plant was installed to capture and treat methane to produce renewable gas.

To tap the renewable gas from cow manure, manure waste was discharged through piping and furrow irrigation into a pit with an outside perimeter of 152 linear feet. It was then pumped into a 33-foot-deep covered lagoon or "methane digester," first passing through a screen that filters out large solids. It was lined with plastic to protect the ground water, and the cover, made of high-density polyethylene, was held down at the edges by concrete. Gas collected underneath the cover. Weights on top of the digester channeled the gas to the biogas up-grade plant where it was "scrubbed" of hydrogen sulfide and carbon dioxide. The end product was reportedly nearly 99 percent pure methane. Once it was treated, the gas was injected into PG&E's pipeline, where it was then transferred to a power plant.

- Served as technical editor on the Environmental Impact Statement for the U.S. Department of Energy's Yucca Mountain High-Level Nuclear Waste Storage project License Application Design Selection and on the U.S. Department of Energy's Yucca Mountain High-Level Nuclear Waste Storage project License Application Design Selection itself. The Yucca Mountain Nuclear Waste Repository was to be a deep geological repository storage facility for spent nuclear fuel and other high-level radioactive waste.

  The site is located on federal land adjacent to the Nevada Test Site in Nye County, Nevada, approximately 80 miles northwest of the Las Vegas Valley. Federal funding for the site ended in 2011, which leaves US non-governmental entities, such as utilities, without any designated long-term storage site for the high level radioactive waste stored on site at various nuclear facilities around the country. The project was highly contested by the general public and many politicians. The Government Accountability Office stated that the closure was for political, not technical or safety reasons. The Department of Energy (DOE) is reviewing other options for a high-level waste repository and a commission established by the Secretary of Energy released its final report in January 2012. It expressed urgency to find a consolidated, geological repository, and that any future facility should be developed by a new independent organization with direct access to the Nuclear Waste Fund, that is not subject to political and financial control like the DOE.

- Served as project manager for a ESA on a historic motel in Dalton, IL. Upon site inspection, four pipes of unknown purpose and/or use were observed. At each location was an approximately 1½-inch diameter J-shaped pipe protruding from the ground near a pipe at ground level. The piping was determined to be associated to two underground storage tanks.

Publications

Contributor in the production of the Environmental Impact Statement for the U.S. Department of Energy's Yucca Mountain High-Level Nuclear Waste Storage project License Application Design Selection, 2002.

Thomas Petersen, REPA
Senior Project Manager

Education
A.S. in Fire Science Technology, College of San Mateo
B.A. in Environmental Studies, California State University, Hayward (Cal State East Bay)

Registrations
Registered Environmental Property Assessor (REPA) with the National Registry for Environmental Professionals, Cert. #615601

Training
Wood Destroying Pest Certification
Lead Based Paint and Asbestos trained
Sustainable/Green Business trained

Highlights
Over 20 years of experience in the environmental consulting industry
Site Mitigation
Phase I Environmental Site Assessments
Property Condition Reports

Experience Summary
Mr. Petersen has over 20 years of experience in the environmental consulting industry and has worked in various disciplines, including: site mitigation, environmental health and safety, regulatory compliance, construction monitoring, subsurface investigation, and environmental and engineering due diligence practices, including Phase I ESAs and PCAs. Mr. Petersen's primary area of expertise is in the environmental due diligence field, where he has performed and managed thousands of environmental due diligence projects throughout the country.

Mr. Petersen has conducted and managed Phase I ESAs on open space, agricultural land, industrial facilities, office buildings and complexes, multi-family developments, government installations, public right-of-ways, shopping malls, retail strips, telecommunication tower sites, service stations, drycleaner facilities and hospitality properties. Most notably, Mr. Petersen has managed due diligence portfolios for varied and demanding clients. In additions to these duties, Mr. Petersen has developed scopes of work, prepared proposals, managed, mentored and trained junior staff, and has regularly provided detailed reports within strict deadlines.

Mr. Petersen is familiar with all aspects of due diligence property assessments and reporting standards, including Fannie Mae DUS and Freddie Mac HUD, and is especially knowledgeable on EPA's All Appropriate Inquiry and ASTM E1527-05. In addition, he has worked with diverse client groups with unique client-specific scopes of work and reporting requirements.

Mr. Petersen has completed thousands of Phase I ESAs on multi-family properties, commercial office buildings, shopping centers, gasoline stations, hotels, dry cleaners, auto repair shops, and industrial facilities. Areas of concern included former chemical storage/transfer areas, areas of drainage/deteriorated piping, historical groundwater dispersion wells, and former underground storage tanks systems.

Mr. Petersen has reviewed and evaluated hundreds of third-party Phase I reports.

Currently, Mr. Petersen provides management and QA/QC expertise of Phase I ESAs, transaction screens, and other product types, and is extensively involved in project management and client communications, maintaining an emphasis on providing exemplary client service. Mr. Petersen is responsible for ensuring consistency and quality of due diligence services and ensuring that client-specific requirements are met, as well as the requirements of ASTM and AAI standards. In addition, Mr. Petersen also provides research on specific markets in order to support growth of Partner's expanding client base.

Project Experience

Mr. Petersen has worked with national and regional lenders, banks, investors, equity stakeholders, industry, local governments and property owners, including, but not limited to:

- Bank of America
- Deutsche Bank
- City of San Carlos
- Applied BioSystems
- NorthMarq Capital
- Wells Fargo
- Terra-Gen Power
- Morgan Stanley
- EastWest Bank
- Genentech
- Met Life
- ReGen
- US Bank
- GE Capital
- American Tower
- Legacy Partners
- SR Commercial
- ClubCorp
- NetREIT

Finally, Mr. Petersen's role of managing projects across industrial, residential, retail, and commercial environments, as well as his diverse project experience, is a major contribution to Partner Engineering and Science's Project Management team.

Contact

TPetersen@partneresi.com

Education

Bachelor of Arts, Public Administration & Economics, San Diego State University
Executive MBA Program, 2000-2003

Highlights

Over 20 years of experience in the environmental and engineering consulting industry
Property Condition Assessments (PCAs)
Fannie Mae, Freddie Mac, and HUD due diligence

Experience Summary

Mr. Lambson is a true veteran of the commercial real estate services industry. He has over 20 years of experience managing and performing environmental and engineering consulting projects on a national level. Mr. Lambson serves as a Principal for Partner and is located in Partner's San Diego County office. Mr. Lambson currently provides client management and consulting to a nationwide client base and specializes in advising "equity" clients during the acquisition phase of commercial property transactions in the U.S., Mexico, and Canada.

Mr. Lambson has assisted clients on over 10,000 commercial real estate transactions throughout his career. His due diligence resume includes experience at all levels, and includes advising REITs, developers, property managers, retail companies, commercial real estate brokers, mortgage brokers, attorneys, lenders, universities, and real estate investment groups with the following nationwide services:

- Property Condition Assessments (PCAs)
- Individual Building System Inspections for Roof, Mechanical Electrical Plumbing (MEP), Elevator, Structure, Façade, and ADA/Accessibility
- Phase I Environmental Site Assessments (ESAs)
- Phase II Subsurface Investigations (Soil and groundwater sampling and analysis)
- Phase III Environmental Remediation Services
- Asbestos, Lead, Radon, Mold Sampling
- Seismic and Structural Assessments (PMLs)
- Energy Audits, Benchmarking, AB1103 Energy Disclosure, and LEED-related services
- Hydrology, Water Conservation and Efficiency
- Fannie Mae / Freddie Mac / HUD Due Diligence
- Geotechnical and Soils Reports
- Zoning Reports
- ALTA Surveys

Building Sciences

Property Condition Assessment, MEP Report, Roof Report, Elevator Report, Structural and Seismic Assessment for a high-profile Class A office campus acquisition in the San Francisco Bay Area

ADA Compliance and Accessibility Reviews for a national bank branch portfolio

Fannie Mae Property Condition / Physical Needs Assessment services for a 5400-unit multifamily portfolio in Nevada

Environmental Assessments
Phase I and Phase II Environmental Assessments for a 75-acre aerospace facility in the Northwest United States

Over 500 Phase I Environmental Site Assessments for a national fast-food chain

Environmental consulting for over 1 million acres of desert land in California, Nevada, and Arizona

Land Surveys
ALTA Surveys for 2400-unit apartment portfolio in the Midwest

Multi-Site Portfolios
113-site office portfolio acquisition for a national REIT

122-site hotel portfolio for a national lending institution

55-site hotel portfolio acquisition for a private investment group

68-site healthcare portfolio acquisition for a national REIT

50-site country club/golf course acquisition for a private investment group

Energy and Water Efficiency
Energy & Water consulting for a national property owner that operates and manages 30 retail and office centers on the West Coast and Texas

Affiliations
National Association of Real Estate Investment Trusts (NAREIT)
International Council of Shopping Centers (ICSC)
U.S Green Building Council (USGBC)
Society of Industrial and Office Realtors, San Diego County (SIOR)
National Association of Industrial & Office Parks, Southern California (NAIOP)
San Diego Habitat Conservancy, Board of Directors. 2010 - 2014

Speaking
Bisnow Conference, Panel Moderator, La Jolla, CA, October 2014. Moderated panel on Southern California Real Estate Trends.

Globestreet, ICSC Western States Conference, San Diego, CA May 2013. Video interview regarding retail real estate trends and due diligence.

Publications
Shopping Centers Today, 2010. Authored article on LEED applications for shopping centers and retail assets.

Contact
mlambson@partneresi.com