PHASE I
ENVIRONMENTAL SITE ASSESSMENT
MCCLELLAN-PALOMAR AIRPORT
APNS 212-093-06, -07, AND -08 AND 760-221-82-24
CARLSBAD, CALIFORNIA

PREPARED FOR:
RECON Environmental, Inc.
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PREPARED BY:
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October 31, 2016
Project No. 108225001

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Mr. Brian Parker
Associate Biologist
RECON Environmental, Inc.
San Diego, California 92101

Subject: Phase I Environmental Site Assessment
McClellan-Palomar Airport
APNs 212-093-06, -07, and -08, and 760-221-82-24
Carlsbad, California

Dear Mr. Parker:

In accordance with our proposal, dated August 24, 2016, Ninyo & Moore has performed a Phase I Environmental Site Assessment of the above-referenced site. The attached report presents our methodology, findings, opinions, and conclusions regarding the environmental conditions at the site.

We appreciate the opportunity to be of service to you on this project.

Respectfully submitted,
NINYO & MOORE

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Senior Staff Environmental Geologist

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1. INTRODUCTION

Ninyo & Moore was retained by RECON Environmental, Inc., on behalf of the County of San Diego (herein referred to as the client) to perform a Phase I Environmental Site Assessment (ESA) of the McClellan-Palomar Airport located west of the intersection of El Camino Real and Palomar Airport Road, in Carlsbad, California (site). The site is bounded to the north by a business park, the east by El Camino Real, the southeast by Palomar Airport Road, the southwest by a business park and the west by a golf course. The following sections discuss the purpose, the involved parties, the scope of services, and the limitations and exceptions associated with the Phase I ESA.

1.1. Purpose

In accordance with the ASTM International (ASTM) Standard Practice for Environmental Site Assessments on Commercial Real Estate E1527-13, the objective of the Phase I ESA is to identify recognized environmental conditions (RECs). The term recognized environmental conditions means "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions."

Identification of RECs fall into the following three categories: existing RECs (as defined above); Historical RECs (HRECs); or Controlled RECs (CRECs). HRECs and CRECs are defined as follows:

- HREC – An HREC is defined as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations [AULs], institutional controls, or engineering controls)." An HREC is an environmental condition, which in the past, would have been considered a recognized environmental condition, but currently may or may not be considered a recognized environmental condition. An example of an HREC may be a former gas station where a release of gasoline had occurred, but the site was cleaned up to an unrestricted land use standard.

- CREC – A CREC is defined as a "recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by a regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, AULs, institutional controls, or engineering controls)." An example of a CREC could be a former gas station where a release of gasoline has been cleaned up to a commercial use standard, but does not meet unrestricted residential cleanup criteria.

1.2. Scope of Services

Ninyo & Moore's scope of services for this Phase I ESA included the activities listed below.

- Reviewed physical setting and background information.
- Performed a site reconnaissance.
- Reviewed federal, state, tribal, and local regulatory agency databases for the site and for properties located within a specified radius of the site.
- Reviewed reasonably ascertainable local regulatory agency files for the site, as applicable.
- Reviewed historical information for the site, such as historical aerial photographs, historical topographic maps, reverse street directories, Sanborn fire insurance maps and building department records.
- Reviewed user-provided information, as available.
- Interviewed the property owner representative regarding the environmental status of the site.
- Performed a preliminary vapor encroachment screen to evaluate the potential vapor encroachment conditions.
- Prepared this Phase I ESA report, summarizing findings and providing opinions and conclusions regarding RECs at the site. Findings were evaluated with respect to Questions A, B, C, and D of Section 8, Hazards and Hazardous Materials within Appendix G of the California Environmental Quality Act (CEQA) and County of San Diego Guidelines for Determining Significance, Hazardous Materials and Existing Contamination (County of San Diego, 2007).

1.3. Significant Assumptions

Ninyo & Moore assumes the information sources from the third-party environmental database vendor, regulatory agencies, and interviewees utilized for this report provided adequate and accurate information. No other significant assumptions were made during the preparation of this report.

1.4. Limitations and Exceptions

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard of care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information or has questions regarding the content, interpretations presented, or completeness of this document.

The findings, opinions, and conclusions are based on an analysis of the observed site conditions and the referenced literature. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control. Ninyo & Moore cannot warrant or guarantee that not finding indicators of any particular hazardous material means that this particular hazardous material or any other hazardous materials do not exist on the site. Additional research, including invasive testing, can reduce the uncertainty, but no techniques now commonly employed can eliminate the uncertainty altogether.

1.5. Special Terms and Conditions

This study did not include an evaluation of geotechnical conditions or potential geologic hazards. In addition, unless otherwise indicated in this report, this Phase I ESA does not include analysis of the following, which is not intended to be all-inclusive: asbestos-containing materials, methane gas, radon, lead-based paint, lead-containing surfaces, lead in drinking water, underground pipelines, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, mold, or high voltage power lines.

1.6. User Reliance

This report may be relied upon by, and is intended exclusively for, the client and its assigns. Any use or reuse of the findings, opinions, and/or conclusions of this report by parties other than the above-referenced client is undertaken at said parties' sole risk.

1.7. Involved Parties

Ms. Brianne Cortright, Senior Staff Environmental Geologist, conducted regulatory and historical research, the site reconnaissance on October 5, 2016, interviews, and regulatory and historical research. Mr. Adrian Olivares, Senior Project Environmental Scientist, and Mr. Stephan Beck, Division Manager, performed project oversight and quality review.

2. SITE DESCRIPTION

The following table provides a general description of the subject site. Photographs taken during the site reconnaissance are provided in Appendix A.

Table 1 – General Site Setting

General Site Setting	Description
Location	Located west of the intersection of Palomar Airport Road and El Camino Real (Figure 1).
Assessor Parcel Numbers (APNs)	212-093-06, -07, and -08 and 760-221-82-24 (County of San Diego).
Size (acres)	Approximately 240.
Property Owner	County of San Diego
Site Use / Occupants	The site is developed with McClellan-Palomar Airport, which includes the runway, terminal area, and parking area south of the terminal area. The airport is operated by the County of San Diego. A list of current occupants is provided in Appendix B.

Table 1 – General Site Setting

General Site Setting	Description
Structures	The site is improved with 20 single- and two-story structures used as offices and hangars. Hangars consist of metal warehouses and the office buildings are of concrete-block construction.
Roads	McClellan Road and Aircraft Road is located on the southern portion of the site and provides vehicular access to addresses 2192 and 2198 Palomar Airport Road, and pay parking lots. A private road is located on the northern site boundary running east/west.
Heating and Cooling Systems	Window and roof mounted cooling systems were observed on some offices and hangars.
Electricity and Natural Gas Provider	Provided by San Diego Gas and Electric (SDG&E).
Sewer Disposal Provider	Provided by the City of Carlsbad.
Potable Water Provider	Provided by the Carlsbad Municipal Water District.
Site Vicinity Description	The site vicinity is developed with commercial and industrial properties.

3. USER-PROVIDED INFORMATION

The following table summarizes information and documentation provided by the client representative, Mr. Olivier Brackett, Airport Manager and owner's representative, completed the User Questionnaire on October 3, 2016. A copy of the questionnaire is provided in Appendix B.

Table 2 – Summary of User-Provided Information

User's Responsibilities	User's Responses
Title Records	Title Records were not provided by the client.
Environmental Liens or Activity and Use Limitations (AULs)	Environmental cleanup liens and/or AULs were not provided by the client.
Specialized Knowledge	Mr. Brackett provided a list of underground storage tanks (USTs) and aboveground storage tanks (ASTs) at the site, which includes: one 15,000-gallon (aviation gas and jet fuel), one 12,000-gallon (aviation gas and jet fuel), two 25,000-gallon (jet fuel), four 20,000-gallon (aviation gas and jet fuel), one 2,000-gallon (diesel), one 11,000-gallon (jet fuel) UST, and one 12,000-gallon AST. Multiple fuel trucks are located throughout the site. Mr. Brackett also provided the County of San Diego's chemical inventory for the site. The UST/AST inventory list and chemical inventory are included in Appendix B.
Commonly Known or Reasonably Ascertainable Information	No commonly known or reasonably ascertainable information of the site was provided.
Valuation Reduction for Environmental Issues	Not applicable.
Reason for Performing Phase I ESA	Due diligence for property Environmental Impact Report.

4. RECORDS REVIEW

The following sections summarize records reviewed for the site.

4.1. Standard Environmental Record Source - Environmental Database Search

A computerized, environmental information database search was performed by EDR on September 12, 2016. The search included federal, state, tribal, and local databases. A summary of the environmental databases searched, their corresponding search radii, and number of noted properties of potential environmental concern, is presented in the EDR report provided in Appendix C. The review was conducted to evaluate whether the site or properties within the site vicinity have been documented as having experienced significant unauthorized releases of hazardous substances or other events with potentially adverse environmental effects.

4.1.1. Geocoded (Mapped) Listings

Multiple properties/businesses that operated at the site were listed in the environmental database report and are summarized in the table below. To supplement the information in the EDR report, the State Water Resources Control Board (SWRCB) GeoTracker database was reviewed.

Table 3 –Environmental Database Listings – Site

Name/Address	Database	Summary
Palomar Airport Sanitary Landfill Palomar Airport Road	WMUDS/SWAT	The landfill, which is located on a portion of the site, is listed as an inactive (closed) Class III non-hazardous solid waste site. According to documents on GeoTracker, the landfill was operated by the County of San Diego as a municipal solid waste disposal facility from 1962 until 1975. The landfill is divided into three units (Units 1-3). Unit 1 is located in the central portion of the site in a paved area used for airplane hangars and parking. Unit 2 is located approximately 800 feet east/northeast of Unit 1 in a paved area, currently used for aircraft parking. Unit 3 is located at the eastern terminus of the runway on the far eastern portion of the site in a grass covered, vacant area. The landfill was reportedly not lined during its operation (Geosyntec, 2005). Twenty-two groundwater monitoring wells are sampled semi-annually. According to the October 2015- March 2016 Semi-Annual Monitoring Report dated April 16, 2016 volatile organic compounds (VOCs) are present in groundwater wells at Unit 1 and metals are present at Unit 3. According to Geosyntec, the VOCs are considered fuel related and are likely related to former fuel releases at the site. The landfill is equipped with a landfill gas extraction system and methane from the landfill is collected and burned at a flare station. A letter from the Regional Quality Control Board (RWQCB) dated July 12, 2016, changed the landfill classification from Category 1 to Category 2, which indicates a reduced risk to drinking water due to its location in a non-beneficial groundwater use area. The presence of a landfill at the site is considered a REC based on the documented impacts to groundwater and soil vapor at the site.

Table 3 –Environmental Database Listings – Site

Name/Address	Database	Summary
Air Resort Airlines 2192/2188/2016 Palomar Airport Road	FINDS RCRA-SQG ECHO HMMD UST HAZNET LUST	The site occupant has five closed unauthorized release case affecting soil, soil vapor, and groundwater. The first and second cases (H13977-001 and -002) were related to the removal of a 1,500 gallon concrete UST. According to the UST Removal Report, the tank was only used to store water. Water samples collected from within the tank excavation were non-detect for VOCs and the cases were closed by the DEH in May and June 1990. The third case (-003) was opened in June 1990 after soil samples collected as part of a lease requirements found elevated levels of petroleum hydrocarbons. According to the closure report dated July 16, 1996, the contamination was believed to be from a 12,000-gallon JP-5 UST removed in September 1987. The release reportedly affected soil only and the case was closed by the DEH in July 1996. The fourth case (-004) was opened after surficial spills of waste oil were observed near a drum storage area. According to the closure documents, the spills did not pose an environmental threat because the area is paved and the contamination did not extend to the subsurface. The case was closed in November 1996 by the DEH. The fifth case (H21741-001) was opened after a petroleum release was discovered during the removal of two USTs (jet fuel and gasoline) on November 12, 1997. According to documents on GeoTracker, elevated levels of petroleum hydrocarbons in the gasoline and diesel ranges, and petroleum hydrocarbon-related VOCs including, benzene, and methyl tertiary-butyl ether (MTBE) were detected in soil and groundwater. According to correspondence from the RWQCB, free product was present in one of the groundwater monitoring wells. According to a groundwater monitoring report by SCS Engineers dated March 27, 2012, the groundwater plume was delineated and SCS recommended a Human Health Risk Assessment (HHRA) for the nearby buildings (Jet Source hanger). Documentation for the HHRA was not found; however, the case was closed on February 6, 2015 by the RWQCB. The closure was based on the current industrial use of the property and with the condition that if any land use changes and/or contaminated soil is encountered, the status may require reevaluation and that future construction at the property use best management practice to avoid storm water runoff. Based on the documented releases to soil and groundwater, and case closures based on the current property use, this facility is considered a CREC.
Palomar Aviation Fuels 2198 Palomar Airport Road	HMMD SLIC EMI San Diego Co LANDFILL SAM NPDES SWEEPS	The facility has two closed unauthorized release cases. The first case (H20083-001) was opened in November 1986 after a failed precision test on a 10,000 gallon jet fuel UST system. According to the closure document, the UST system was repaired, re-tested, and certified. The case was closed by the DEH on April 27, 1988. The second case (H10424-001), affected soil only and was opened in December 1991 when an aircraft overran a runway and crashed, releasing approximately 250 gallons of jet fuel. According to the DEH closure document dated July 30, 1993, 28 cubic yard (cy) of impacted soil was removed and remediated by passive bioremediation. The excavation was then backfilled using the remediated soil. Confirmation sampling of the remediated soil indicated low levels of total petroleum hydrocarbons (TPH) (23 milligrams per kilograms [mg/kg]). The case was closed by the DEH in July 1993. Based on the residual contamination at the property and the case closured status, this facility is considered a CREC.

Table 3 –Environmental Database Listings – Site

Name/Address	Database	Summary
Western Flight Inc./Flight International 2210 Palomar Airport Road	LUST HIST UST HAZNET SWEEPS CORTESE SLIC CHMIRS HMMD UST SAM	The facility has three closed unauthorized release cases. The first case (H13987-001) was opened in November 1987 after a puncture was discovered in a 12,000-gallon aviation fuel UST and approximately 3,000 to 4,000 gallons of aviation fuel was released. According DEH documents, a Limited Site Assessment was performed in February 1988 and TPH was detected in soil at a maximum of 22,000 mg/kg at a depth of approximately 30 feet below ground surface (bgs) and decreased to non-detect at approximately 70 feet bgs. According to the assessment, groundwater (depth greater than 70 feet bgs) was not impacted and the consultant recommended case closure. The DEH concurred and the case was closed in April 1988. The second case (-002) was opened in April 1990 and closed in November 1991. The case affected soil only and additional details are not available. A closure letter is on file on the Geotracker database; however, appears to be for the case associated with 2198 Palomar Airport Road, which is discussed above. The third case (H13987-003) was opened in February 1992, after a 20,000-gallon jet fuel UST was punctured and approximately 600 gallons of fuel was released affecting soil and groundwater. According to a Site Assessment Activities Report by SCS Engineers, dated January 18, 2008, soil and groundwater were impacted with petroleum-hydrocarbon-related VOCs. According to the report, the impacted soil was delineated and it was estimated that approximately 3,111 cubic yards of impacted soil remain in the area of the USTs According to the RWQCB's Closure Report, SCS Engineers concluded that the extent of the release to soil and groundwater was adequately assessed and the residual contamination is not a significant risk to human health or the environment. The case was closed by the RWQCB in February 2012. Based on the residual contamination at the property in soil and groundwater and case closed status, the facility presents a CREC.
Civic Helicopters, Inc. 2206 Palomar Airport Road	HMMD AST UST SWEEPS	The facility is listed on the HMMD database for generation of used oil filters and waste oil. Violations on file were for bookkeeping, fire safety, and improper storage of hazardous materials (i.e., lid not closed). According to the UST database, the facility has one 12,000-gallon jet fuel UST and violations were not listed. Based on the absence of violations indicative of a spill or release, the facility does not present an environmental concern to the site at this time.

Table 3 –Environmental Database Listings – Site

Name/Address	Database	Summary
Jet Source 2056/2036 Palomar Airport Road	FINDS UST RCRA-LQG SWEEPS CORTESE SLIC CHMIRS ECHO HMMD SAM LUST	Three closed unauthorized release cases are on file. The first case (T0258) was opened after TPH contaminated soil and free product were discovered during the removal of USTs. According to a Site Closure Report by Applied Hydrogeologic Consultants, dated October 3, 1986, free product was removed and disposed of and approximately 300 cy of impacted soil was removed from the excavation and was spread out for VOCs to dissipate. Documents stating whether or not the excavated material was reused onside or disposed of offsite were not found. The report states soil contamination levels were “significantly reduced” and groundwater was estimated to be at a depth of approximately 60 feet bgs and not impacted. The case was closed by the DEH on December 16, 1986. The second case (H20084-002) was opened in December 1998, after impacted soil was discovered during the removal of one 10,000 gallon jet fuel UST. According to the DEH closure report, approximately 150 cy of petroleum hydrocarbon-impacted soil was removed from the vicinity of the former UST and was disposed of offsite. It was estimated that approximately 50 cy of impacted soil remain. According to the closure report trace amounts of petroleum hydrocarbons and VOCs were present in groundwater. The case was closed in April 2002 by the DEH. The third case (H21758-001) was listed on GeoTracker under the address 2036 Palomar Airport Road; however, documents related to the case were listed under the address 2056 Palomar Airport Road. The case was opened after TPH-impacted soil was discovered during the removal of four 10,000-gallon USTs (two aviation gas and two jet fuel) in July 2004. According to a Site Assessment Activities Report by SCS Engineers, dated November 20, 2012, approximately 620 tons of impacted soil was removed from the UST excavation. It was estimated that approximately 45 cubic yards of impacted soil remains at the property to a depth approximately least 22 feet bgs. TPHg was detected in groundwater samples at a maximum concentration of 1,500 µg/l and BTEX was also detected in groundwater at maximum concentrations of 39, 670, 16, and 93 µg/l, respectively. According to a Public Notification Letter issued by the RWQCB, the concentrations of petroleum hydrocarbon-related contaminants in groundwater do not pose a threat to human health, safety, or the environment. The case was closed by the RWQCB based on low-threat underground storage tank closure policy in February 2013 with post-closure site management requirements including the prohibition of the following; day care center, elder care center, hospital use, excavation of soils without permission, groundwater extraction without approval, raising of food, and the regulatory agency is to be notified prior to development or subsurface work. Based on the residual contamination at the property in soil and groundwater and case closed status, the facility presents a CREC.
Airtime Aviation 2160 Palomar Airport Road	LUST CORTESE HMMD SAM	The facility has one closed unauthorized release case (H13982-001) affecting soil only. The case was opened in July 1991, when petroleum hydrocarbon-impacted soil was found after three 10,000-gallon USTs (jet fuel and aviation fuel) were removed from the facility. The closure report states that approximately 2,000 cy of impacted soil with TPH concentrations greater than 100 mg/kg remain at depths between 12 and 25 feet bgs. Groundwater was not encountered in borings advanced to a maximum of 50 feet bgs. The case was closed by the DEH and the closure report stated residual contamination did not present a threat to water quality or human health. Based on the residual contamination and case closed status, this facility is considered a CREC.

Note:
A complete description of each database is provided in the EDR Report (Appendix C).

Off-site properties within 1 mile of the site appeared on various regulatory agency databases. The following table lists databases that were searched and the number of listings (excluding non-geocoded [unmapped] sites).

Table 4 – ASTM Standard Environmental Databases

Database Name	Search Radius (mile)	Number of Listings
FEDERAL DATABASES		
NPL (National Priority List)	1	0
Proposed NPL	1	0
NPL LIENS (Federal Superfund Liens)	TP	0
Delisted NPL	1	0
SEMS (Superfund Enterprise Management System; formerly Comprehensive Environmental Response Compensation and Liability Information System)	0.5	0
SEMS-ARCHIVE (Superfund enterprise Management System Archive)	0.5	1
FEDERAL FACILITY (Federal Facility Site Information listing)	1	0
CERC-NFRAP (Former CERCLIS sites where no further remedial action is planned under CERCLA)	0.5	0
CORRACTS (facilities subject to Corrective action under RCRA)	1	0
RCRA-TSDF (hazardous waste treatment, storage, or disposal facilities)	0.5	0
RCRA-LQG (large quantity generator)	0.25	7
RCRA-SQG (small quantity generator)	0.25	23
RCRA-CESQG (conditionally exempt SQG)	0.25	1
US ENGINEERING CONTROL (EC)	0.5	0
US INSTITUTIONAL CONTROL (IC)	0.5	0
ERNS (Emergency Notification System)	TP	0
STATE/TRIBAL DATABASES		
RESPONSE (State Response Sites, State- and Tribal- equivalent NPL)	1	0
ENVIROSTOR (The DTSC's Site Mitigation and Brownfields Reuse Program; CERCLIS-equivalent)	1	2
SWF/LF (Solid Waste Information System)	0.5	3
San Diego County Site Assessment and Mitigation (SAM)	0.5	17
LUST (Geotracker's Leaking Underground Fuel Tank Report)	0.5	17
SLIC (Spills, Leaks, Investigation and Cleanup database by the California Regional Water Quality Control Board)	0.5	9
UST (registered USTs)	0.25	9
AST (registered ASTs)	0.25	3
FEMA UST (Underground Storage Tank Listing)	0.25	0
VCP (Voluntary Cleanup Program Properties)	0.5	0

Note:
TP = Target Property

Off-site properties/facilities listed in the database report were evaluated as to their potential to impact soil and/or groundwater at the site. To supplement the information in the EDR report, the SWRCB GeoTracker database and DEH records were reviewed. Information from both sources is included in the facilities of potential concern summaries below. Supporting documentation is provided in Appendix D. The following properties were

interpreted to represent a potential environmental concern to the site, based on their proximity to the site, the nature of the database on which they are listed, and/or the assumed direction of groundwater flow in the site vicinity (south/southeast):

Table 5 – Offsite Facilities of Potential Concern

Facility Name/Address	Distance/ Direction from Site	Database	Summary
Republic Tool and Manufacturing 1960 Kellogg Avenue	Adjacent to the southwest	FINDS SQG ECHO	According to the SQG database, the facility generates small quantities (less than 1,000 kilograms per month) of corrosive waste. Violations were not on file. Based on the absence of violations on file with the DEH and/or in the database report, the facility does not present an environmental concern to the site at this time.
Stereogene Bioseparations Inc./Galenbio Inc. 1949 Kellogg Avenue	Adjacent to the southwest	SQG	According to the SQG database, the facility generates small quantities of ignitable waste and halogenated solvents. Multiple Inspection Reports were on file with the DEH for years 2010 through 2016.Violations on file were not indicative of a release or spill. Based on the absence of violations of potential environmental concern, the facility does not present an environmental concern to the site at this time.
Costa Real/Carlsbad Municipal Water District 5950 El Camino Real	Adjacent to the northeast	HIST UST ENF SQG FINDS ECHO HMMD HAZNET SWEEPS UST	According to the databases, the facility generated hydrocarbon solvents from 1998 to 2012 and operated a 1000-gallon fuel UST. According to DEH files, the UST was removed in 1990. Multiple annual inspection reports were also on file with the DEH for various years from 1989 and 2016. Violations included poor bookkeeping and employee training and were not indicative of a release or spill. Based on absence of releases or spills, the facility does not present an environmental concern to the site at this time.
CAL Bond Inc. 6110 Yarrow Drive	Adjacent to the south	LQG SLIC HMMD SAM	The facility has one closed unauthorized release case (H19041-001) affecting soil only. According to the DEH closure document dated February 1998, subsurface soil samples were collected in an area of the facility formerly used for industrial processing. The soils were analyzed for copper which were detected at a maximum concentration of 390 mg/kg. The copper concentrations were less than the established cleanup goals (63,000 mg/kg for industrial use) and the case was closed by the DEH in February 1998. Based on the medium affected (soil only) and regulatory status, the facility does not present and environmental concern to the site at this time.
Cobra Golf Inc 5928 Farnsworth Court	Adjacent to the north	FINDS SQG ECHO	According to the SQG database, the facility generates small quantities of ignitable and corrosive waste. Multiple Inspection Reports were on file with the DEH for various years between 1995 and 2015. Violations on file were not indicative of a release. Based on the absence of violations of potential environmental concern, the facility does not present an environmental concern to the site at this time.

Table 5 – Offsite Facilities of Potential Concern

Facility Name/Address	Distance/ Direction from Site	Database	Summary
L3 Phototonics 5928 Geiger Court	Adjacent to the north	SQG HAZNET FINDS ECHO	According to the SQG database, the facility generates small quantities of ignitable and corrosive waste. The facility was also listed on the HAZNET database for storage or transfer of organic solids. Violations were not on file. Based on the nature of the database and absence of violations, the facility does not present an environmental concern to the site at this time.
Melles Griot, Inc. Laser Division 2251 Rutherford Road	Adjacent to the north	SQG FINDS HAZNET ENVIROSTOR ICIS HMMD ECHO	According to the database report, the facility generates small quantities of oxygenated solvents and unspecified oil containing wastes. Violations listed were related to general bookkeeping and are not Indicative of a release or spill. Based on the nature of the associated violations, the facility does not present an environmental concern to the site at this time.
Coast Waste Management Inc./Palomar Transfer Station 5960 El Camino Real	1,000 feet northeast	FINDS NON GEN ECHO SQG FINDS HAZNET LUST LANDFILL SWIS SWRCY NPDES	The facility is an active landfill transfer station and has one closed unauthorized release case (H10634-001) affecting soil only. The case was opened after TPH-impacted soil was discovered during the removal of two diesel USTs (1,000-gallon and 10,000-gallon). According to the DEH closure report, dated October 12, 2000, approximately 390 cy of impacted soil was removed. It was estimated approximately 100 cy of impacted soil remains at the property at a maximum depth of 10.5 feet bgs. The case was closed in October 2000 by the DEH. Based on the case status (closed) and medium affected (soil only), the facility does not present an environmental concern to the site at this time.
Arco Facility Number 05792 1991 Palomar Airport Road	1,000 feet southwest	FINDS SQG ECHO	The facility is an active gasoline service station and has one open unauthorized release case (H32235-001) affecting soil and groundwater. The case was opened in June 2003 after hydrocarbon-impacted soil was discovered during the replacement of fuel dispensers and piping. Thirteen groundwater wells were installed and groundwater was measured to flow southwest (away from the site). Based on the distance from the site (1,000 feet) and groundwater flow direction at the facility with respect to the site (downgradient), the facility does not present an environmental concern to the site at this time.

Notes:
- Distances and direction provided by EDR
- A complete description of each database is provided in the EDR Report (Appendix C).

It is our opinion that there is a low likelihood that the remaining listings for off-site properties appearing in the database report represent a REC to the site at the current time. This opinion is based on one or more of the following factors:

- The nature of the database(s) on which the property appears, and/or because the property did not appear on a database that reports unauthorized releases of hazardous substances;
- Reported regulatory agency status (i.e., case closed);
- Reported nature of the case (i.e., soil contamination only);
- Reported distance of the property from the site; and/or
- Location of the property in relation to the site with respect to topography or expected groundwater flow direction (generally assumed to be toward the south/southeast).

4.1.2. Non-Geocoded (Unmapped) Listings

This portion of the regulatory database report includes properties for which regulatory agencies did not report sufficient address information to be plotted by EDR. The listings were reviewed to evaluate their potential impact to the site, based on their interpreted distance/direction from the site, and/or the nature of the database in which they were listed. Palomar Airport is listed multiple times on the unmapped summary and the databases are discussed in Table 4. It is our opinion that there is a low likelihood that the remaining non-geocoded listings represent an environmental concern to the site at the current time.

4.2. Additional Environmental Record Sources

According to the ASTM Standard, "if the property or any of the adjoining properties is identified on one or more of the standard environmental record sources, pertinent regulatory files and/or records associated with the listing should be reviewed." A summary of the adjoining property findings is listed in Table 5 and regulatory agency records for the site are discussed in the sections below. Regulatory records for the site and adjacent properties are provided in Appendix D.

4.2.1. County of San Diego Department of Environmental Health

Multiple records were on file with the DEH for the site addresses. Documents on file were related to unauthorized release cases and the cases are discussed in Section 4.1.1 (Table 3).

4.2.2. Encina Wastewater Authority

According to a representative of the Encina Wastewater Authority on September 6, 2016, records were not on file for the site addresses.

4.2.3. San Diego County Air Pollution Control District

Site History Summaries were on file with the Air Pollution Control District (APCD) for site addresses 2192 and 2198 Palomar Airport Road. The summary for 2192 Palomar Airport Road is related to permits for the 12,000-gallon aviation fuel AST. Two violations were listed on the summary for failure to conduct and pass a vapor recovery test for the 2015 and 2016 calendar year dated September 6, 2016, and one unspecified violation from 2007, which was subsequently closed. The client provided documentation dated September 19, 2016 indicating the AST was tested and passed the vapor recovery test. Based on the successful vapor recovery test, the AST appears to be in compliance and the violations are considered a *de minimis* condition.

The Site History Summary for the 2198 Palomar Airport Road address is related to permits for the landfill gas extraction system. Multiple violations are on file and many are closed without additional details. Recent violations on file are for a crack in pavement releasing methane dated August 11, 2015 and landfill surface emissions exceeding approved concentrations, dated July 18, 2012. The client provided documentation, dated August 20, 2015, stating the exceedance of methane released from the crack in the pavement was remedied and the facility is currently in compliance. As discussed in Section 4.1.1 (Table 3), the inactive landfill is considered a REC based on the presence of landfill gases, and VOCs and metals in soil and groundwater.

4.2.4. Regional Water Quality Control Board, San Diego Region

Multiple records for the site addresses were provided by the RWQCB. The site has multiple closed unauthorized release cases. The cases were reviewed and are discussed in Section 4.1.1 (Table 3).

4.2.5. City of Carlsbad Fire Department

One Storm Water Inspection Report and four Incident Reports were on file with the Carlsbad Fire Department. The earliest Incident Report was for a flammable liquid spill dated April 19, 2008. The report stated approximately 20 gallons of jet fuel leaked as a result of a plane crash and was contained and removed. The second report is dated November 15, 2012, and was in response to an airplane crash and no spill was reported. The third report was dated May 16, 2015, and was in response to an airplane crash on the runway. A hazardous materials division was discharged to the site and fuel was pumped out of the aircraft into a storage container. The most recent report was dated November 18, 2015, in response to a helicopter crash and fire. According to the report, a fuel leak was contained; however, quantities of fuel released were not provided. Based on the absence of unauthorized release cases and mitigation measures noted in the reports, it is unlikely the plane crashes resulted in significant releases of contaminants to the subsurface.

4.2.6. Online Regulatory Databases

Online regulatory databases were reviewed by Ninyo & Moore to supplement the environmental database search conducted by EDR. The following is a summary of pertinent information.

Table 6 – Online Regulatory Databases

Online Database/Website	Findings
DTSC EnviroStor	The site is not listed; however, one adjacent property to the north (2251 Rutherford Road) is listed with an inactive tiered permit. The facility is discussed in Section 4.1.1 (Table 5).
State Water Resources Control Board (SWRCB) GeoTracker	Multiple facilities located onsite and adjacent were listed on the database. The cases are discussed in Tables 3 and 5.

Table 6 – Online Regulatory Databases

Online Database/Website	Findings
California Department of Resources Recycling and Recovery (CalRecycle) Solid Waste Information System	Palomar Airport Landfill (North Coastal Sanitary Landfill), a closed landfill, is located on a portion of the site (Section 4.1.1).Multiple inspection reports are on file for the facility. Violations indicative of a release include; methane concentrations exceeding the compliance requirements (multiple dates between 1998 and 2013), a potential release of groundwater in Unit 1 (January 2010), and a suspected leachate seep in the Unit 1 area (March 2015).The presence of a landfill at the site is considered a REC and additional details are discussed in Table 3. Palomar Transfer Station and Coast Waste Management Inc., a transfer station and a processing facility located approximately 1,000 feet northeast of the site (5960 El Camino Real) are also listed in the database. The facilities are discussed in Tables 5.
United States Pipeline and Hazardous Materials Safety Administration, National Pipeline Mapping System Map Viewer	One hazardous materials pipeline and one natural gas transmission pipeline are located adjacent to the east of the site. The pipelines are owned by Kinder Morgan.
Army Corps of Civil Engineers Formerly Used Defense Sites (FUDS) Database	No FUDS properties are listed within 1 mile of the site.

4.3. Physical Setting

The following table summarizes topographic, geologic, and hydrogeologic conditions in the vicinity of the site, based upon the referenced documents review and/or our visual reconnaissance of the site.

Table 7 – Physical Setting

Physical Settings	Reference	Summary
Topography	A	The site elevation ranges from approximately 320 feet above mean sea level (MSL) at the runway and terminal areas to approximately 280 feet in the parking areas on the south portion of the site. Topography in the vicinity slopes generally to the southeast and southwest toward a tributary of Agua Hedionda Creek and an unnamed canyon, respectively.
Site Geology	B	The site is underlain by the following units: - Old paralic deposits - described as poorly sorted, moderately permeable, reddish-brown, interfingered, strandline, beach estuarine and colluvial deposits composed of siltstone, sandstone, and conglomerate. - Santiago Formation – described as dusky yellowish-green, sandy claystone interbedded with medium-gray, coarse-grained sandstone. - Metamorphosed and unmetamorphosed volcanic and sedimentary rocks, undivided.
Surface Water	A	No natural surface water bodies were observed during the site reconnaissance. The nearest body of water is an intermittent tributary of Agua Hedionda Creek, located adjacent to the east of the site.

Table 7 – Physical Setting

Physical Settings	Reference	Summary
Groundwater	C	The site is located within the Encinas Hydrologic Subarea of the Encinas Hydrologic Area (HA) of the Carlsbad Hydrologic Unit. The Encinas HA has no beneficial uses. According to information obtained from GeoTracker, groundwater was observed at the site at depths ranging from approximately 14 feet to 49 feet bgs in the perched zone and 44.5 feet to 215 feet bgs in the deep zone in February 2016, and flowed to the south/southeast.

References:
A = United States Geological Survey (USGS), Encinitas, California, 7.5-minute quadrangle map (USGS, 2015)
B = Kennedy & Tan, 2007, Geologic Map of the Oceanside 30' x 60' Quadrangle: California Department of Conservation
C = RWQCB Water Quality Control Plan for the San Diego Basin (RWQCB, 2011)

4.4. Site Historical Use Information

Ninyo & Moore conducted a historical record search for the site. This included a review of city directories, historical fire insurance maps, historical aerial photographs, topographic maps, and building department records. The following sections summarize information obtained from the historical sources utilized for this assessment.

4.4.1. City Directories

Available historical reverse street directories from 1965 through 2013 were obtained from EDR and reviewed to evaluate facilities of potential concern, which may have been historically located at or near the site. Addresses along El Camino Real and Palomar Airport Road were reviewed. Site addresses were not listed in the City Directories report. The vicinity has been developed with commercial and industrial properties since at least 1965. Properties of potential concern listed in the database in the vicinity, include a gasoline station at 1991 Palomar Airport Road (1980) and a landfill/recycling center/transfer station at 5960 (El Camino Real (2008 and 2013), and are discussed in Section 4.1.1 (Table 5). The EDR city directory abstract is provided in Appendix E.

4.4.2. Sanborn® Fire Insurance Maps

Sanborn® fire insurance maps were requested from EDR; however, there is no map coverage in the site vicinity. EDR's Certified Sanborn Map Report is provided in Appendix E.

4.4.3. Historical Aerial Photographs

Historical aerial photographs were available for the site for select years from 1939 through 2015. A listing of the photographs reviewed and summary of notable observations from the photograph review is provided in the table below.

Table 8 – Aerial Photographs Summary

Date	Source	Summary
1939 1946 1953	A	The site and vicinity were vacant with the exception of one unpaved road running east/west at the north portion. Three pits corresponding to "clay pits" on the topographic maps are located approximately 0.1 and 0.25 mile north of the site.
1964	A	The site is developed with an airport runway in the north and central portions. Three disturbed or excavated areas appear on the southeast and east portions of the site in locations that correspond to the closed landfill Units 1, 2, and 3. The vicinity is similar to the 1953 photograph with the exception of areas to the south, southwest, and north, which appear used for agricultural purposes. Palomar Airport Road and El Camino Real appear to be in their current configurations to the south and east of the site, respectively.
1967 1970	A	The site and vicinity are similar to the 1964 photograph with the addition of airplane hangars, paved areas and airplanes south of the runway. Additional agricultural areas appear to the north of the site and a small body of water or pond is located approximately 0.5 mile north of the site.
1979	A	The site appears similar to the 1970 photograph with additional airplane hangars and airport-support structures. The footprint of the airport is extended and the majority of former landfill Units 1 and 2 appear to be asphalt paved. The vicinity is similar to the 1970 photograph with the addition of multiple industrial/commercial structures present to the southeast.
1985	A	The site appears similar to the 1979 photograph. The site vicinity appears heavily developed with commercial/industrial properties to the southwest and areas to the northeast and southeast appear graded for development with some commercial/industrial properties to the north and northeast. The vicinity to the southwest and west remains vacant/agricultural.
1990 1994	A	Similar to the 1985 photograph with the addition of commercial/industrial development and grading to the southwest and west.
2005 2009 2010 2012	A, B	The site appears to be in its current configuration and the vicinity is heavily developed with commercial/industrial properties to the north, east, and south and a golf course to the west.
2015	A, B	The site and vicinity appear to be in their current configurations.

Sources: A – EDR
B – Google Earth

4.4.4. Building Department Records

Available building department records for selected years from 1987 through 2015 were obtained from EDR and reviewed to evaluate facilities of potential concern, which may have been historically located at or adjacent to the site. The historical research focused on review of permits that documented conditions that constitute evidence of RECs associated with the site and adjacent properties (such as USTs, boiler tanks, wells, ASTs, etc.). Information related to general construction or tenant improvements, such as installation of

signs, plumbing, heating, electrical, or mechanical features, are not discussed unless they are associated with potential RECs. Review of building permit records did not indicate evidence of RECs associated with the site. EDR-provided building permits are provided in Appendix E.

4.4.5. Historical Topographic Maps

Historical topographic maps obtained from EDR and online resources were reviewed. Site coverage was available for the years 1893, 1898, 1901, 1948, 1949, 1968, 1975, 1997, 2012, and 2015. In the 1893, 1898, and 1901 topographic maps, the site and vicinity are depicted as vacant with the exception of an east/west trending road through the site and scattered roads in the vicinity. Agua Hedionda Creek is depicted approximately one mile north of the site. The 1948 and 1949 maps are similar to the 1901 with the addition of vegetation depicted on the eastern and southern portion of the site and in the majority of the vicinity. Abandoned clay pits are depicted in three locations approximately 0.10 and 0.25 mile north of the site. In the 1968 map, Palomar Airport is depicted on the site, including a runway on the north and central portions of the site and seven structures on the southern portion. The vicinity is similar to the 1949 map with the exception of the roads previously depicted are no longer present and El Camino Real and Palomar Airport Road are in their current configurations east and south of site respectively. The 1975 map is similar to the 1968 map with the addition of scattered development, and the property adjacent to the south is depicted as under construction. In the 1997 map, the site is depicted as McClellan-Palomar Airport, including a runway and multiple buildings. The vicinity to the north, south, and southwest is depicted as a built-up area and to the east and west remains undeveloped. The clay pits are no longer depicted north of the site. In the 2012 and 2015 maps, the site and vicinity are depicted in their current configurations. Environmental concerns were not found during the historical topographic map review.

4.5. Previous Reports

A Soil Management Plan by Ninyo & Moore dated July 9, 2010; a Community Health and Safety Plan by Ninyo & Moore dated July 9, 2010; and the current Master Plan for the McClellan-Palomar Airport by Coffman and Associated dated December 1997 were reviewed. The Soil Management Plan and Community Health and Safety Plan were prepared for construction and excavation activities at the site in the area of the Palomar Airport Landfill Unit 1. According to the reports, the airport runway was constructed in the late 1950s and the landfill began operations adjacent to the southeast of the runway in the early 1960s. Borings advanced in the area of work were to a maximum depth of 30 feet bgs and waste was not encountered (Ninyo & Moore 2010a). The reports summarized monitoring techniques and mitigation measures in the instance contaminated soil or landfill gas was encountered. The Master Plan for McClellan-Palomar Airport addresses the specific needs of the airport and evaluates its role within the regional aviation system. The airport was classified as a Primary Airport (more than 10,000 annual passenger boarding) when the report was written (Coffman, 1997).

Multiple reports for the site were also available through the RWQCB's Geotracker website and were provided by regulatory agencies. These previous reports were related to unauthorized release and cleanup cases and details of the cases are discussed in Table 3 and relevant reports are provided in Appendix D.

4.6. Adjacent Property History

The adjacent properties were used for agricultural purposes since at least 1964 and were developed with commercial/industrial properties sometime between 1970 and 1979. Adjacent properties of concern are discussed in Section 4.1.1 (Table 5).

5. SITE RECONNAISSANCE

The objective of the site reconnaissance was to obtain information indicating the potential for RECs in connection with the site. Ms. Brianne Cortright, Senior Staff Environmental Geologist, conducted the reconnaissance on October 5, 2016. Ms. Cortright was escorted by Mr. Olivier Brackett, Airport Manager. A site plan is provided as Figure 3 and photographic documentation is provided in Appendix A.

5.1. Methodology and Limiting Conditions

The site reconnaissance consisted of driving and walking on the site and along public sidewalks (for viewing of adjacent/nearby properties). A representative amount of office space and hangers were viewed during the site reconnaissance. Additional access limitations were not encountered during the site reconnaissance.

5.2. General Site Setting

At the time of the site reconnaissance, the site was developed with an airport. The airport was comprised of a runway, taxiways, and 20 structures utilized as aircraft hangars, offices, maintenance facilities, a terminal, and a restaurant. The north half of the site was occupied by taxiways and a runway. A 12,000 gallon aviation fuel AST, a diesel generator, and a transformer were located north of the runway.

The south central portion of the site was developed with airport support structures. The building addressed 2192 Palomar Airport Road was occupied by the airport administration. The office structures (2006, 2026, 2056, 2100, 2150, 2206, and 2210 Palomar Airport Road) were used as administrative offices by the airport and leasees of the airport. Building 2198 was occupied by a restaurant, offices, rental car companies, the airport fire department, and the airport terminal. The majority of the hangars were leased and used to for general storage and aircraft storage. Aircraft maintenance and/or detailing were performed in hangars located at 2014, 2026, 2056, and 2186 Palomar Airport Road. A paint booth was observed inside the hangar at 2026 Palomar Airport Road. The air traffic control tower was located at 2200 Palomar Airport Road. Multiple aircraft parking areas and individual aircraft hangers were located on the south portion of the site. Twelve USTs of various size and contents and

fueling stations are located in four designated areas (Figure 3). A private paved road runs east/west along the northern boundary of the site. Three parking lots are located on the south portion of the site and are used for airport guests and rental car facilities. One station for oil changes and car washing is located on the central parking lot. Spills were not observed and the area appeared to be in good condition.

The site is generally flat, with the exception of the southern portion, which slopes gently to the south. The majority of the site is paved, with the exception of a grass covered area at the east end of the runway. Surface drainage is expected to flow to storm drains located throughout the site.

5.3. Adjacent Property Observations

Adjacent properties were observed from the site and from publicly accessible vantage points (e.g., streets, sidewalks) during the site reconnaissance. The properties adjacent to the site are as follows and as depicted on Figure 2:

- **North:** Commercial and industrial properties.
- **East**: El Camino Real, followed by a landfill/transfer station, industrial properties, and vacant land.
- **South**: A hotel, access roads, and industrial properties, followed by Palomar Airport Road and commercial and industrial properties.
- **West:** A storage facility and a golf course.

5.4. Site Observations

Ninyo & Moore evaluated the site for evidence of the following potential environmental concerns:

Table 9 – On-Site Observations

Conditions	Observed or Noted	Comments
Hazardous Substances/Petroleum Products	X	Retail-sized cleaning chemicals were observed at 2210, 2192, 2026, 2056 Palomar Airport Road and were stored on shelves. Paint cans were observed at 2192 and 2026 Palomar Airport Road and were stored on shelves or in cabinets. The paint and chemicals appeared to be in good condition. Multiple 5-gallon buckets of fire retardant chemicals were stored on shelves in the garage of 2192 Palomar Airport Road and were wrapped in plastic. Five 275-gallon totes were observed in the hangar at 2026 Palomar Airport Road and two were observed in the hangar at 2014 Palomar Airport Road. The totes were reportedly used to store fuel removed from aircraft before maintenance is performed and is replaced when finished. The totes were in good condition and staining or odors were not observed Petroleum products and a 12,000 AST were observed and are further discussed below.
Waste Generation/Storage/Disposal	X	Trash and recycling dumpsters were observed behind the restaurant at 2198 Palomar Airport Road and a large dumpster was observed in the north portion of the site.
ASTs	X	One 12,000-gallon aviation fuel AST was located north of the runway. Five 275-gallon ASTs were observed in the hangar at 2026 Palomar Airport Road and two were observed in the hangar at 2014 Palomar Airport Road. The ASTs were reportedly used to store fuel removed from aircraft before maintenance is performed and is replaced when finished. The ASTs were in good condition and staining or odors were not observed. The ASTs appeared to be in good condition and spills were not observed. Multiple fuel trucks were also observed throughout the site and appeared in good condition.
Potential Evidence of USTs	X	Twenty USTs were present at the site. USTs contain jet fuel, aviation gas, or diesel fuel and were located in four areas in the southern portion of the site. USTs are described in detail in Table 2.
Potential PCB-Containing Equipment	X	Transformers were observed east of 2198 Palomar Airport Road and in the north portion of the site.
Chemical/Petroleum Odors	X	Not observed
Concrete Patches/Pads	X	Concrete pads and patches were observed throughout the site. Multiple USTs have been removed from the site and details are described in Section 4.1.1 (Table 5).
Pools of Liquid	X	Not observed
Sewage Discharge Pipes	X	Not observed
Floor Drains/Sumps	X	Floor drains and storm drains were observed throughout the site.
Elevator	X	Elevators are present in most of the office structures. Elevators observed appeared to be in good condition.
Wells		Multiple groundwater monitoring wells are located in the landfill Units 1-3. A map of the locations is provided in Appendix B.

Table 9 – On-Site Observations

Conditions	Observed or Noted	Comments
Drums	X	Multiple 55-gallon waste oil and used oil filter drums were observed in the west portion of the Schubach hangar on plastic pallets at 2026 Palomar Airport Road and, according to Mr. Gerald Ward, the safety officer with Schubach Aviation, are emptied monthly. The drums appeared to be in good condition and spills were not observed.
Unidentified Substance Containers		Not observed
Stained Soil or Pavement	X	Minor surficial stains were observed on asphalt and concrete in aircraft parking areas. The surficial staining is considered a *de minimis* condition.
Stressed Vegetation		Not observed
Pits, Ponds, or Lagoons		Not observed
Wastewater Discharges Disposal Systems		Not observed
Septic Systems/Cesspools		Not observed
Municipal Solid Waste Disposal Areas	X	A portion of the site is situated above a former landfill. A methane extraction flare system is located near the pay parking lots in the southern portion of the site.

6. VAPOR ENCROACHMENT/INTRUSION

The purpose of the preliminary vapor encroachment screen is to identify a vapor encroachment condition (VEC), which is the presence or likely presence of potential contaminants of concern (COC) vapors in subsurface soils at the site caused by the release of vapors from contaminated soil or groundwater either on or near the site. The potential for VECs beneath the site was evaluated using a Vapor Encroachment Screening Matrix (VESM) in accordance with ASTM E 2600-10 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions. The VESM included performing a Search Distance Test to identify if there are any known or suspect contaminated properties surrounding or upgradient of the site within specific search radii, a COC Test (for those known or suspect contaminated sites identified within the Search Distance Test) to evaluate whether or not COCs are likely to be present, and a Critical Distance Test to evaluate whether or not COCs in a contaminated plume may be within the critical distance of the site (100 feet for non-petroleum hydrocarbon contaminants and 30 feet for petroleum hydrocarbon contaminants).

Multiple closed unauthorized release cases are on file for site addresses, and a closed, unlined solid waste disposal site is located on the southeastern and eastern portion of the site. Petroleum hydrocarbon and non-petroleum hydrocarbon contaminants reportedly remain onsite, therefore, a VEC cannot be ruled out. A copy of the VESM is included in Appendix F.

7. INTERVIEWS

Interviews were conducted by Ninyo & Moore with the objective of obtaining information regarding potential RECs in connection with the site. Interviews with present owners, operators, and/or occupants of the site, as well as other knowledgeable parties as appropriate, is mandated by ASTM E 1527-13. A summary of the interviews conducted is provided in the table below.

Table 10 – Interviews

Representative	Summary
Property Owners	Mr. Olivier Brackett, Airport Manager, completed the background questionnaire on October 3, 2016. Mr. Brackett stated the site has been used as a commercial airport since 1959 and was vacant land prior to then. Mr. Brackett stated hazardous materials are used and generated on site but are not stored long term. Mr. Brackett stated USTs are present at the site and that he is unaware of environmental issues associated with the site.
Occupants	Tenants were interviewed during the site reconnaissance and pertinent information is provided in the site reconnaissance write up (Section 5).
Past Owners	Past ownership entities were not made available to Ninyo & Moore during the preparation of this ESA. Therefore, interviews with past site owners were not conducted.

8. FINDINGS

Based upon the results of this Phase I ESA, the following findings are provided.

- The site consists of four parcels totaling approximately 240 acres located on the northwest corner of the intersection of Palomar Airport Road and El Camino Real.

- At the time of the site reconnaissance, the site was developed with an airport. The airport was comprised of a runway, taxiways, and 20 structures utilized as aircraft hangars, offices, maintenance facilities, a terminal, and a restaurant. The north half of the site was occupied by taxiways and a runway. A 12,000 gallon aviation fuel AST, a diesel generator, and a transformer were located north of the runway. Aircraft maintenance and/or detailing were performed in hangars located at 2014, 2026, 2056, and 2186 Palomar Airport Road. A paint booth was observed inside the hangar at 2026 Palomar Airport Road. Twelve USTs of various size and contents and fueling stations are located in four designated areas (Figure 3).

- Based on review of historical sources and previous reports, the site was developed with an airport sometime between 1953 and 1959 and a landfill from the early 1960s to 1975.

- According to regulatory records and database searches, the following site addresses have closed unauthorized release and/or cleanup cases.

    - 2192/2188/2016 Palomar Airport Road
    - 2198 Palomar Airport Road
    - 2210 Palomar Airport Road
    - 2056/2036 Palomar Airport Road
    - 2160 Palomar Airport Road

  All cases have been closed by the DEH or RWQCB and impacted soil and/or groundwater remains at the site.

- The site is listed in the CalRecycle Solid Waste Information System database an inactive (closed) Class III non-hazardous solid waste site. The landfill is located on the southeast and east portion of the site and a methane extraction system is on site. The landfill is under regulatory oversight.

- Facilities of potential concern in the site vicinity with the potential to impact the site were not found.

- Based on the completion of the VESM, a VEC cannot be ruled out from beneath the site.

9. OPINIONS

The rationale for concluding whether the conditions listed in Section 8, above, represent RECs, HRECs, or CRECs (i.e., the presence or likely presence of hazardous substances or petroleum products on a property under conditions indicative of releases, past releases, or a material threat of a release of hazardous substances, pollutants, contaminants, and/or petroleum/petroleum products at the site) is provided below.

- It is our opinion that the multiple closed unauthorized release cases at the site are considered a CREC based on the residual contaminants in soil and groundwater at the site.

- It is our opinion that the presence of a closed, unlined landfill on the southeast and east portions of the site is considered a REC based on the presence of landfill gases, and VOCs and metals in soil and groundwater.

- It is our opinion that the potential for a VEC associated with the landfill and petroleum releases is considered a REC.

9.1. Data Gaps

Data gaps encountered included not viewing all of the offices and hangars. It is our opinion that this is not considered a significant data gap that would affect the ability of the environmental professional to identify conditions indicative of releases or threatened releases based on the use of the hangars (airplane storage) and offices (administrative work). No evidence was observed during the site reconnaissance of similar use facilities that would indicate the areas not observed would exhibit environmental contaminants or releases of concern.

9.2. Additional Appropriate Investigation

Our findings did not reveal evidence of conditions at the site posing an immediate threat to human health or the environment, or a reportable release, threatened release, or on-going release of a regulated substance at the site.

10. CONCLUSIONS

We have performed a Phase I ESA, in conformance with the scope and limitations of the ASTM Practice E 1527-13, of the McClellan-Palomar Airport property located on the northwest corner of Palomar Airport Road and El Camino Real in Carlsbad, California. Any exceptions to, or deletions from, this practice are described in Section 1.4 and in the body of this report. This assessment has revealed no evidence of RECs in connection with the property, except for the following:

- CREC –Five businesses operating at the site have closed unauthorized release cases associated with USTs containing petroleum. The cases were closed with residual contamination left in place, and based on the commercial/industrial land use.
- REC - A closed, unlined Class III landfill is present on the southern and eastern portion of the site. Landfill gases are present at the site; however, they are controlled by a landfill gas extraction system and flare station. Groundwater is impacted with VOCs and metals.
- REC – Based on the completion of the VESM, there is a potential VEC associated with the landfill and petroleum releases.

11. NON-SCOPE SERVICES

The following services were performed at the request of the client, which are outside the scope of the Phase I ESA Standard Practice.

11.1. CEQA Significance of impacts

The findings of this study were evaluated with respect to Questions A, B, C, and D of Section 8, "Hazards and Hazardous Materials" within Appendix G of the CEQA Guidelines and County of San Diego Guidelines for Determining Significance.

A. Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Hazardous materials are currently used and hazardous wastes are generated in association with the airport activities. Hazardous materials that are transported, used, and or disposed of are under regulatory oversight and the quantities are not expected to increase significantly. If contaminated soil or landfill wastes are encountered during any redevelopment or excavation activities, implementation of mitigation measures (Section 11.2) would reduce the likelihood of a significant hazard.

B. Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Based on the fact that hazardous materials and wastes are located at the site, there is a moderate likelihood that upset and accident conditions related to hazardous materials or wastes would be associated with future work at the project. However, implementation of mitigation measures (Section 11.2) would reduce the likelihood of a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.

C. Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Schools or proposed schools are not located within one-quarter mile of the site.

D. Would the project be located on a site, which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment?

- *Hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code* - The DTSC has designated two facilities in the state of California that fall under this category. These two facilities are located outside of San Diego County.

- *Land designated as "hazardous waste property" or "border zone property"* - The DTSC has not designated any hazardous waste property or border zone properties pursuant to the provisions cited in the Health and Safety Code.

- *Properties with hazardous waste disposals on public land* - The DTSC does not maintain separate records of reports that relate to public lands/properties.

- *Hazardous substance release sites selected for (and subject to) a response action* - The sites that meet this criteria are listed on the "Cortese List" in the DTSC EnviroStor database, which graphically depicts facilities associated with cases with the DTSC and SWRCB. Ninyo & Moore's review of the databases identified multiple businesses at the site.

- *Sites included in the Abandoned Site Assessment Program* - The Abandoned Site Assessment Program was intended to include properties in "rural unsurveyed counties." The program concluded in the early 1990s, and properties in the program were transferred to the Cal-Sites database, which has been incorporated into the DTSC's current EnviroStor database. However, the EnviroStor database does not indicate whether a specific site was at one time included in the Abandoned Site Assessment Program and does not have a separate category for abandoned sites. Ninyo & Moore's review of the EnviroStor database, which graphically depicts facilities associated with cases with the DTSC and SWRCB, did not indicate hazardous substance release properties within or adjacent to the site.

- Sites with public drinking water wells that contain detectable levels of organic contaminants and that are subject to water analysis pursuant to Section 116395 of the Health and Safety Code - Based on laws, regulations, and security policies adopted after September 11, 2001, the Department of Health Services no longer makes publicly available the locations of public drinking water wells due to concerns about illegal actions that could endanger public health and safety.

- *Sites with USTs for which an unauthorized release report is filed* - The SWRCB provides this information in its GeoTracker online database. Ninyo & Moore's review of the Geotracker database identified multiple businesses at the site with USTs for which an unauthorized release report was filed.

- *Solid waste disposal facilities from which there is a migration of hazardous waste* - The SWRCB maintains a list of facilities with waste constituents above hazardous levels outside the waste management unit. No such facilities were identified within San Diego County.

- *Sites with cease and desist orders and/or cleanup and abatement orders that concern the discharge of wastes that are hazardous materials* - Ninyo & Moore's review of the SWRCB list of properties with active cease and desist orders or cleanup and abatement orders did not identify facilities within San Diego County since at least 2013.

Based on the information provided above, the project is located on a site, which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5**.** Implementation of mitigation measures (Section 11.2) would reduce the likelihood of a significant hazard to the public or the environment.

11.2. Mitigation Framework

The following mitigation framework measures relating to hazardous materials/wastes are provided.

- Subsurface disturbance activities should include implementation of a soil and groundwater management plan to address the possibility of encountering areas of potential environmental concern. The plan should be prepared by a qualified environmental consultant and should be implemented during subsurface disturbance activities by the contractor under the oversight of an environmental professional on behalf of the project proponent. The plan should address notifications, soil and groundwater monitoring, handling, stockpiling, characterization, reuse, export, and disposal protocols.

- For areas with documented or suspected impacts to soil and/or groundwater, appropriate worker and community health and safety measures (e.g., dust control, air monitoring, stockpile management) should be implemented during soil disturbance activities.

- Projects that propose the construction of buildings on landfill property within 1,000 feet of buried waste are subject to specific requirements pursuant to California Code of Regulations Title 27 Section 21190, Post-closure Land Use.

- In areas with documented releases, soil generated during construction activities may be considered a waste, and may require characterization (e.g., analytical testing) prior to reuse, export, or disposal.

- If contamination is discovered, notification to regulatory agencies and proper soil management may be required, particularly if there is the potential to affect public health, safety, and/or the environment.

12. REFERENCES

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Ninyo & Moore, 2010b Community Health and Safety Plan, McClellan-Palomar Airport, Access Stairway Project, Carlsbad, California: dated July 9.

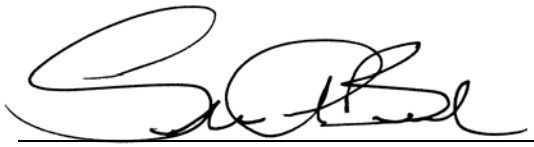
State Water Resources Control Board, 2016, Geotracker Online Database: http://geotracker.swrcb.ca.gov: accessed in October.

United States Geological Survey, 2015, Encinitas, California: 7.5-minute series (topographic), Scale 1:24,000.

13. PROFESSIONAL STATEMENT

As required by 40 CFR §312.21(d) and Section 12.13 of ASTM 1527-13, the following statement is included:

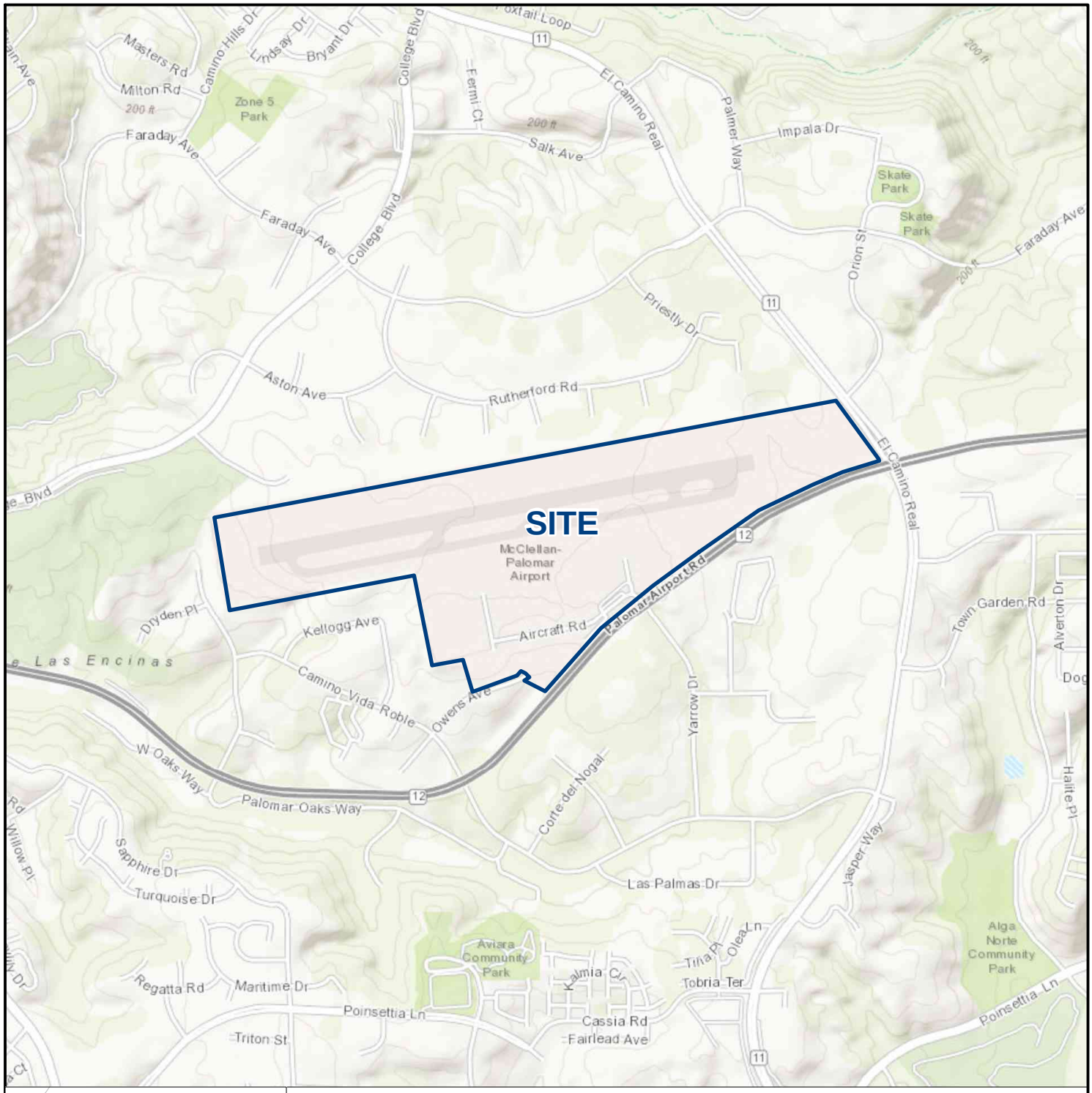
> *I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined by §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of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



Stephan A. Beck, PG 4375
Manager, Environmental Sciences Division

14. QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

Resumes, which document the professional qualifications, pursuant to 40 CFR §312.10(b)(2), of the persons that prepared and reviewed this report are provided as Appendix G.





MAP INDEX

SOURCE: ESRI WORLD TOPO, 2016

N

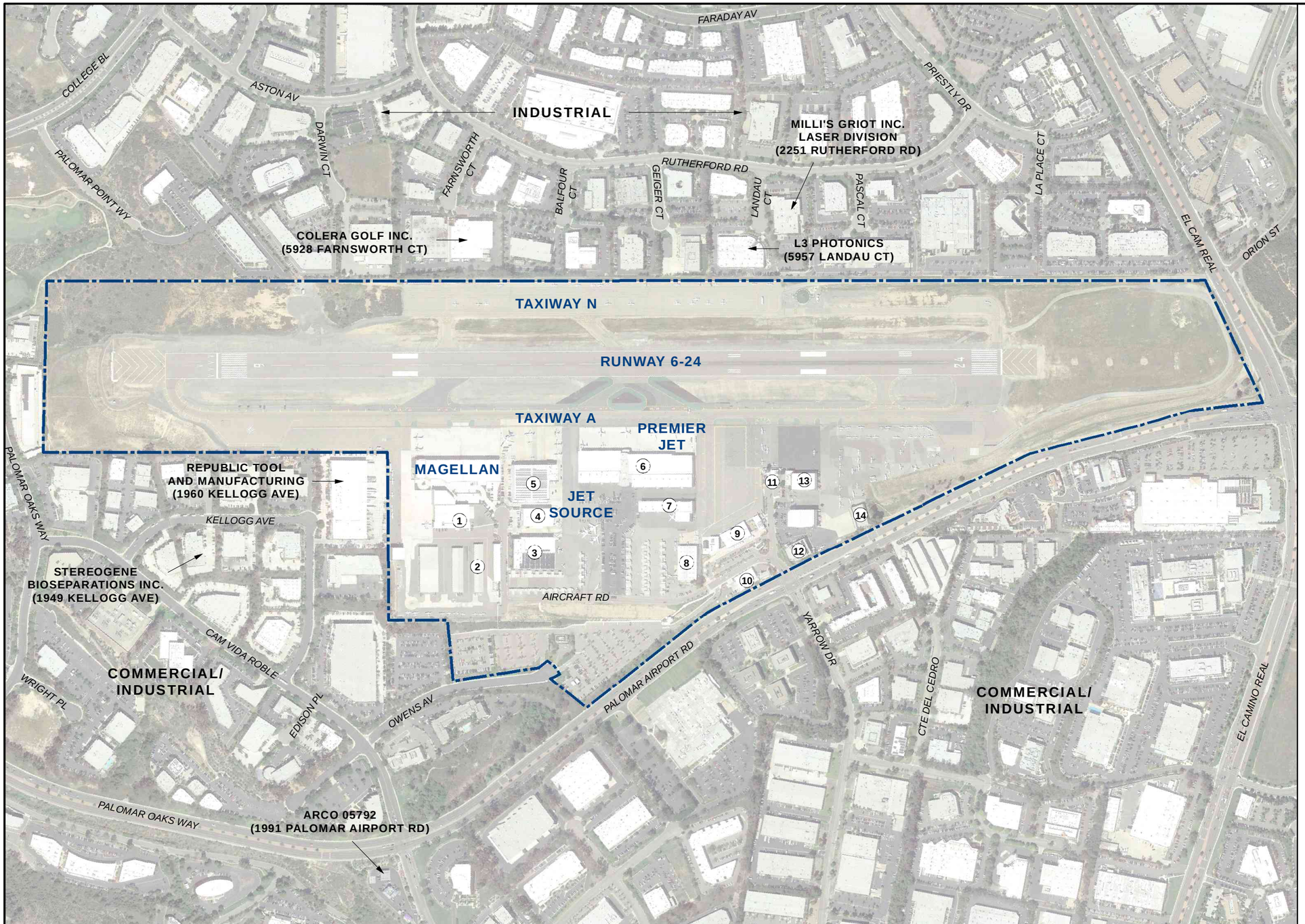
SCALE IN FEET

0 1,500 3,000

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE

Ninyo & Moore	SITE LOCATION	FIGURE
PROJECT NO.	DATE	MCCLELLAN-PALOMAR AIRPORT PALOMAR AIRPORT ROAD CARLSBAD	1
108225001	10/16		

1_108225001_SL.mxd 10/17/2016 JDL



LEGEND

1. 2006 - MAGELLAN AVIATION
2. 2014 - A & P DETAILING
3. 2026 - SCHUBACK AVIATION
   HANGAR ONE MAINTENANCE
4. 2036 - QUALITY AIRCRAFT CARE
   JET SOURCE HANGAR
5. 2056 - JET SOURCE
   JET SOURCE MAINTENANCE
6. 2100 - ATLANTIC AVIATION
   SURF AIR
   SKY LINE FLIGHT TRAINING
7. 2150 - CLAY LACY AVIATION
8. 2186 - LEADING EDGE AVIATION
   ORION AVIATION
   RED CARPET AVIATION
   PLUS ONE FLYERS
9. 2198 - U.S. CUSTOMS (CBP) OFFICE
   AVIS RENTAL CAR OFFICE
   BUDGET RETAL CAR OFFICE
   HERTZ RETAL CAR OFFICE
   AIRPORT FIRE DEPARTMENT (ARFF) OFFICE
   AIRPORT SECURITY (SOC) OFFICE
   THE LANDING RETAURANT & BAR
10. 2192 - COUNTY OF SAN DIEGO AIRPORT ADMINISTRATION
11. 2200 - COUNTY OF SAN DIEGO AIRPORT ADMINISTRATION
12. 2206 - CIVIC HELICOPTERS INC.
13. 2210 - WESTERN FLIGHT
    ATP (FLIGHT SCHOOL)
    PINNACLE AVIATION (FLIGHT SCHOOL)
    PACIFIC COAST FLYERS (FLYING CLUB)
14. 2220 - ROYAL JET

NOTE: ALL STREET ADDRESS NUMBERS ASSOCIATED WITH PALOMAR AIRPORT ROAD

SITE BOUNDARY

SOURCE: GOOGLE EARTH, 2016

SCALE IN FEET
0 600 1,200

N

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

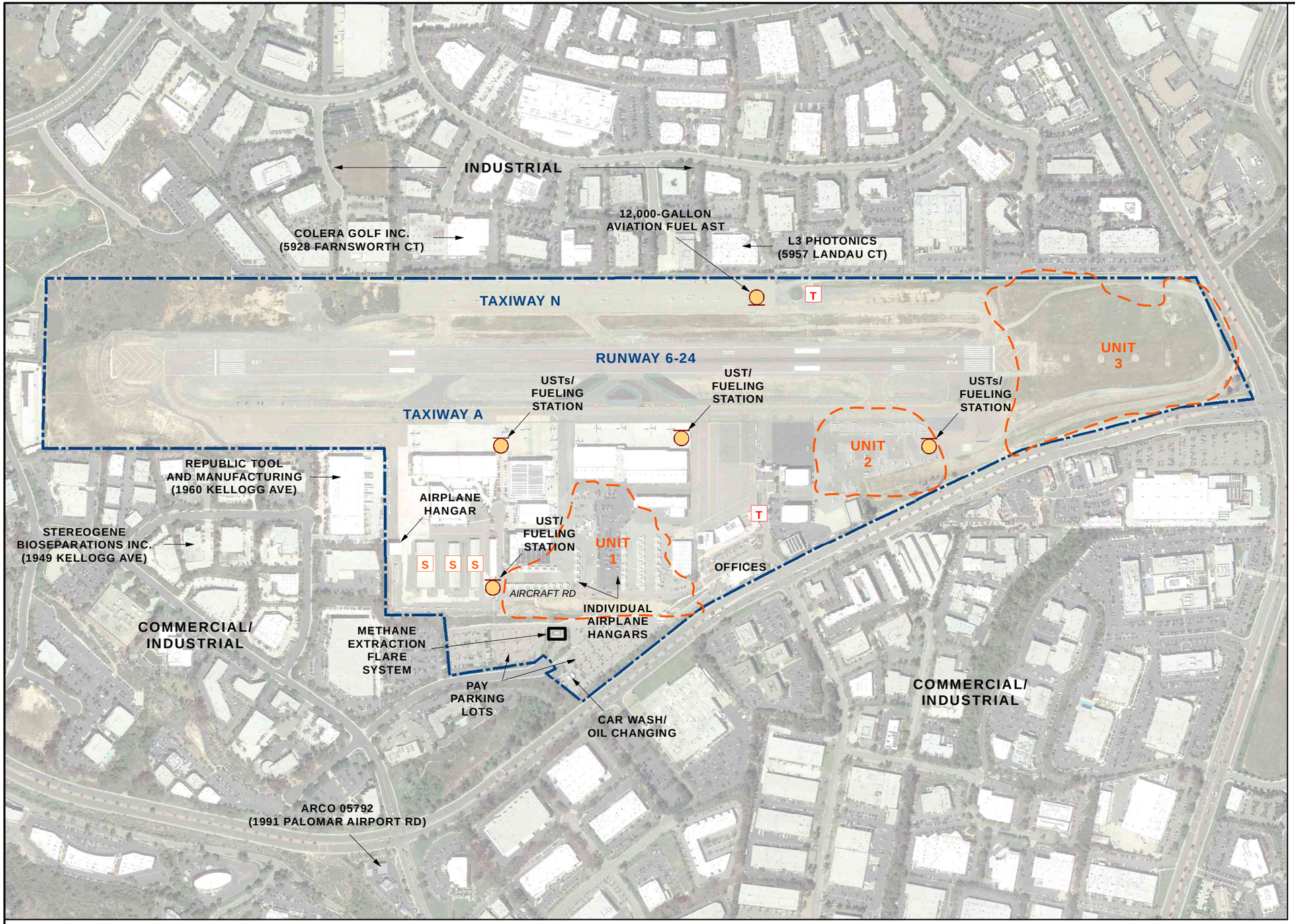
PROJECT NO.	DATE
108225001	10/16

SITE VICINITY AND PROPERTIES OF POTENTIAL CONCERN

MCCLELLAN-PALOMAR AIRPORT
PALOMAR AIRPORT ROAD
CARLSBAD

FIGURE
2

2_108225001_SV_PPC.mxd 10/17/2016 JDL



LEGEND

- ABOVE-GROUND STORAGE TANK(S) (AST)
- UNDERGROUND STORAGE TANK(S) (UST)
- S — STORAGE / AIRPLANE HANGARS
- T — TRANSFORMER
- SITE BOUNDARY
- LANDFILL BOUNDARY (UNITS 1-3)

SOURCE: GOOGLE EARTH, 2016

SCALE IN FEET

0 600 1,200

N

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		SITE PLAN	FIGURE
PROJECT NO.	DATE	MCCLELLAN-PALOMAR AIRPORT PALOMAR AIRPORT ROAD CARLSBAD	3
108225001	10/16		

3_108225001_SP.mxd 10/17/2016 JDL

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION



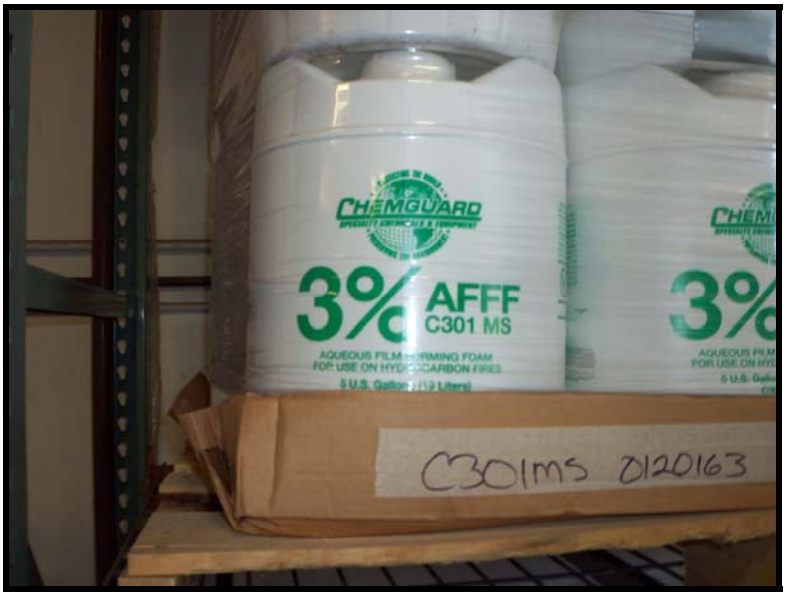
Photograph 1: **View of front lobby inside 2192 Palomar Airport Road, facing north.**



Photograph 2: **View of meeting room inside 2192 Palomar Airport Road, facing east.**



Photograph 3: **View of paint containers inside garage at 2192 Palomar Airport Road, facing west.**



Photograph 4: **View of fire retardant on shelf inside garage at 2192 Palomar Airport Road, facing north.**



Photograph 5: **View of car wash and oil changing area in pay parking lot, facing west.**



Photograph 6: **View of pay parking lot, facing east.**



Photograph 7: **View of methane extraction flare station for former landfill beneath the site, facing north.**



Photograph 8: **View of aircraft parking area on east portion of site, facing east.**



Photograph 9: **View of north side of Western Flight building at 2210 Palomar Airport Road and air traffic tower, facing southwest.**



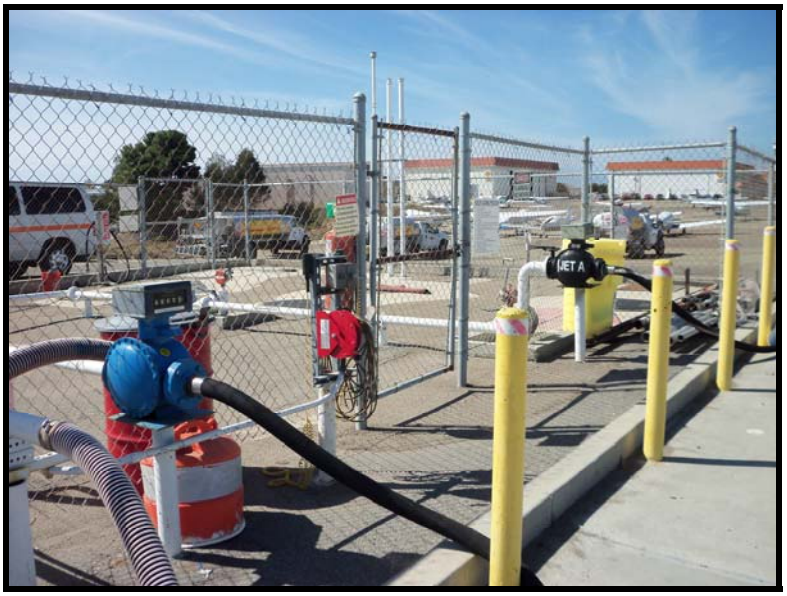
Photograph 10: **View inside Western Flight hangar, facing west.**



Photograph 11: **View of air tanks inside Western Flight hangar, facing east.**



Photograph 12: **View of cleaning chemicals inside Western Flight hangar, facing east.**



Photograph 13: **View of UST area and fueling stations on the east portion of the site.**



Photograph 14: **View of fuel trucks on eastern portion of site, followed by aircraft and buildings 2208, 2210, and 2200 Palomar Airport Road and tower.**



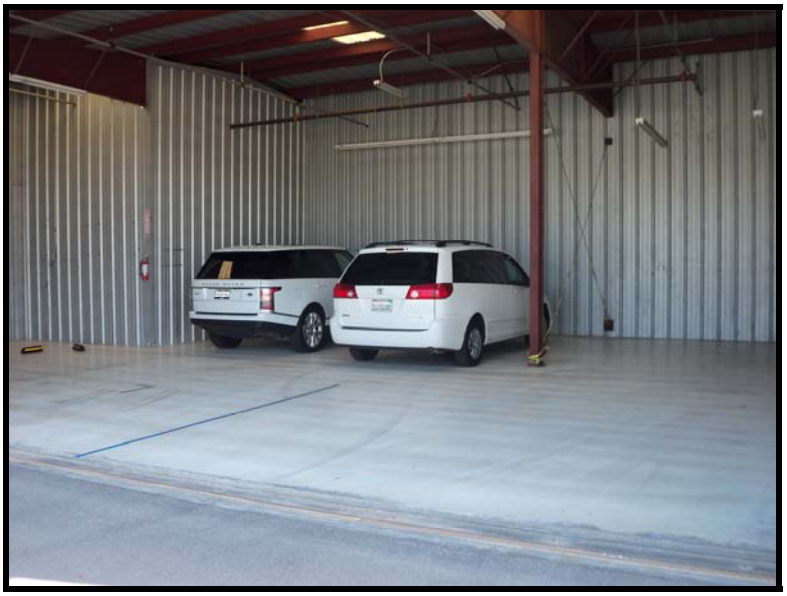
Photograph 15: **View of 12,000-gallon aviation fuel AST on northeast portion of site, facing east.**



Photograph 16: **View of UST area and fueling station south of 2018 Palomar Airport Road, facing east.**



Photograph 17: **View of storm drain in paved area between hangars in south central portion of site, facing north.**



Photograph 18: **View inside Magellan Aviation hangar, facing east.**



Photograph 19: **View inside A&P Detailing hangar, including two fuel totes and air tank, facing east.**



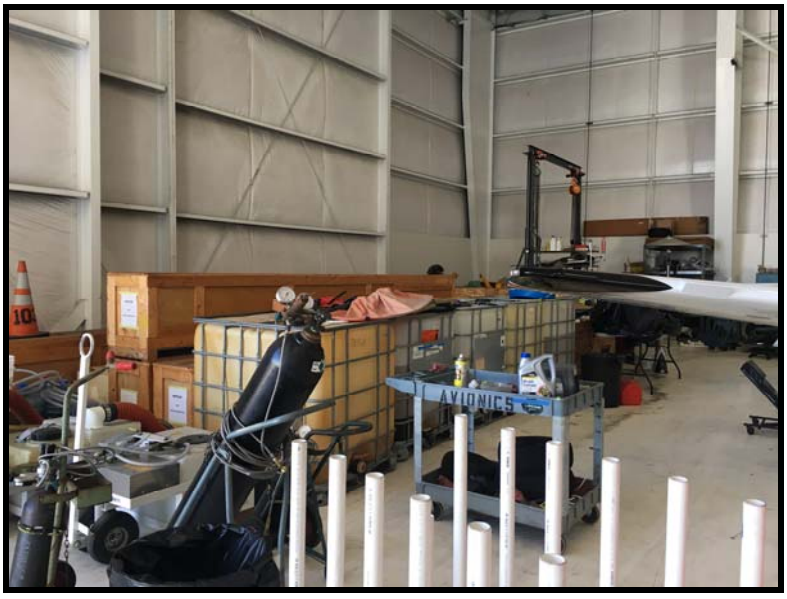
Photograph 20: **View inside lobby of Magellan Aviation at 2006 Palomar Airport Road, facing north.**



Photograph 21: **View inside Magellan Aviation hangar, facing north.**



Photograph 22: **View of south side of Jet Source hangar including fuel trucks, facing east.**



Photograph 23: **View inside Hangar One/Avionics hangar at 2026 Palomar Airport Road, including five fuel totes and air tanks.**



Photograph 24: **View of paint booth inside Avionics hangar, facing west.**



Photograph 25: **View of paint stored in cabinet inside Avionics hangar, facing west.**



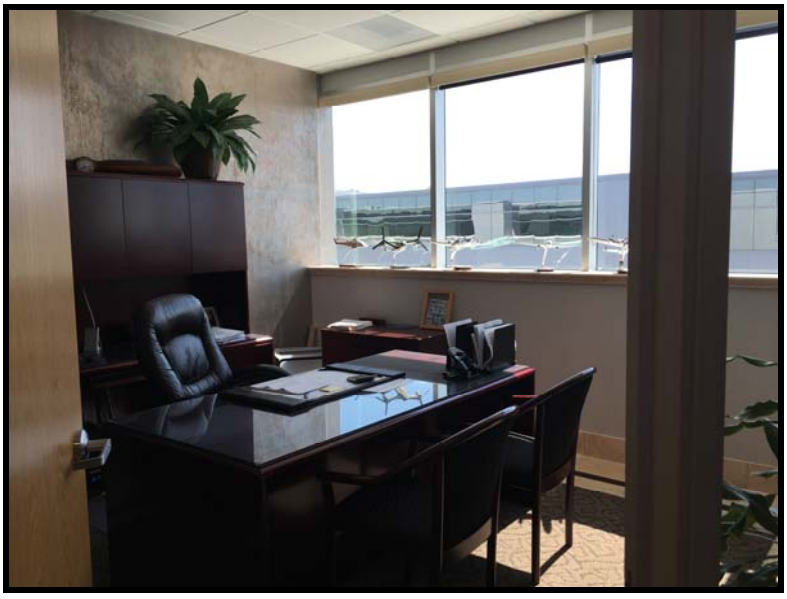
Photograph 26: **View of used oil and used filter drums inside Avionics hangar, facing west.**



Photograph 27: **View of individual airplane storage hangars south of 2150 Palomar Airport Road, facing north.**



Photograph 28: **View of lobby and hallway inside Shubach Aviation at 2026 Palomar Airport Road, facing north.**



Photograph 29: **View inside example office at Schubach Aviation, facing north.**



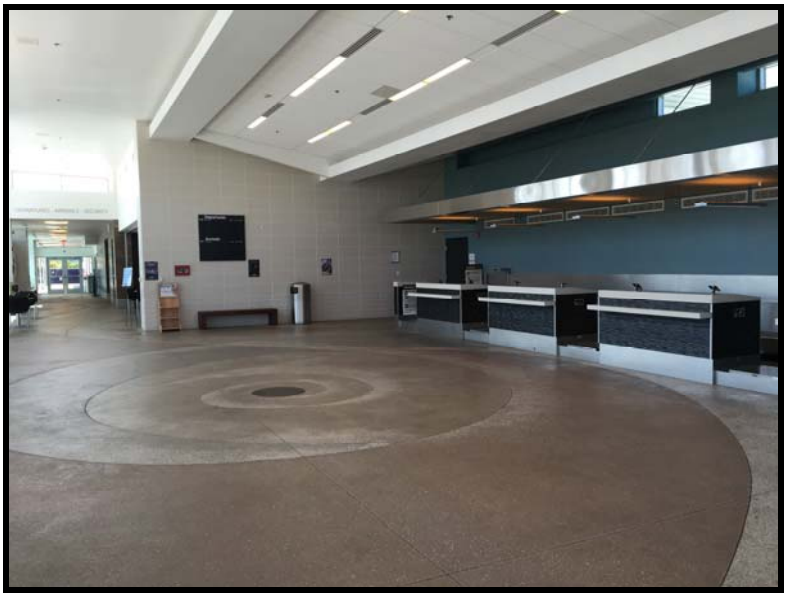
Photograph 30: **View of UST area and fueling station north of 2056 Palomar Airport Road, facing east.**



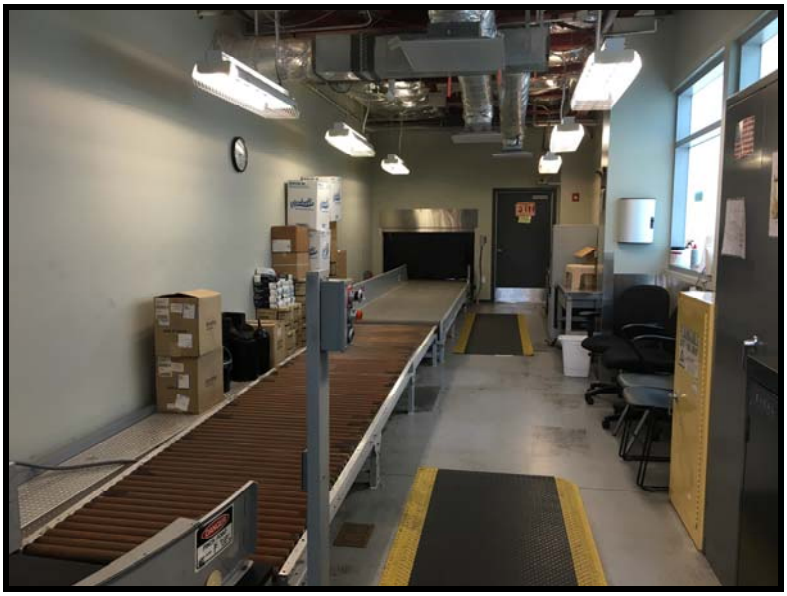
Photograph 31: **View of generator on north portion of site, followed by transformers, facing north.**



Photograph 32: **View of transformers behind restaurant at 2198 Palomar Airport Road, facing north.**



Photograph 33: **View inside terminal at 2198 Palomar Airport Road, facing west.**



Photograph 34: **View of luggage loading area behind terminal, facing north.**



Photograph 35: **View of taxiway and tower, facing north.**



Photograph 36: **View of road along northern boundary of site, facing west.**



Photograph 37: **View of adjacent Palomar Airport Road, followed by commercial businesses, facing southeast.**



Photograph 38: **View of adjacent El Camino Real, followed by vacant land.**



Photograph 39: **View of adjacent industrial properties to the north, facing north.**

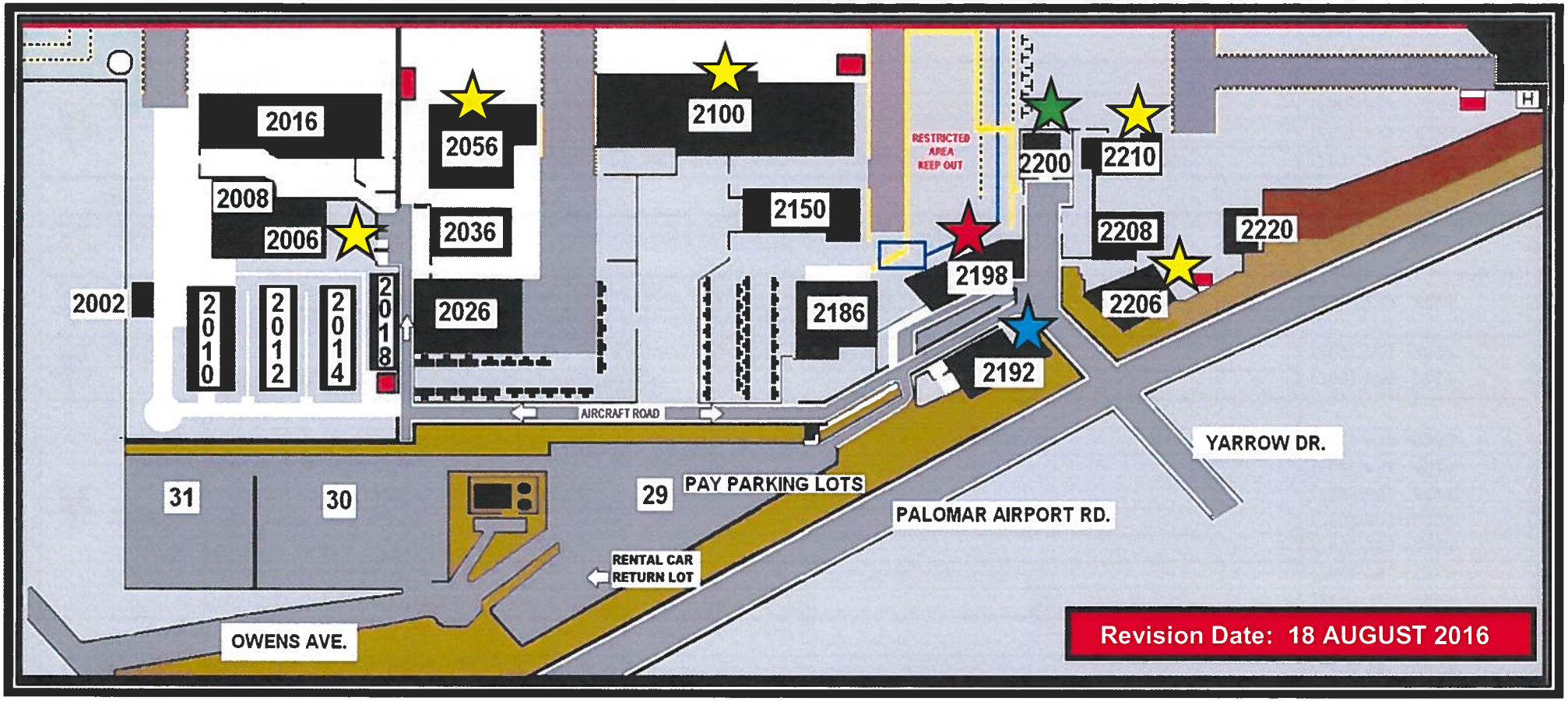


Photograph 40: **View of adjacent golf course to the west, facing west.**

APPENDIX B

USER-PROVIDED INFORMATION

McCLELLAN-PALOMAR AIRPORT BUSINESS MAP



BLDG. #	BUSINESS NAME	PHONE NUMBER
2002	MAGELLAN AVIATION HANGAR	N/A
★ 2006	MAGELLAN AVIATION (FBO) Fixed Base Operator / Main Office / Charter / Aircraft Sales UNICOM: 131.300	(760) 438 - 7603
	MERCY AIR (Crew Quarters / Office)	N/A
2008 / 2010	MAGELLAN AVIATION HANGAR	N/A
2012	MAGELLAN AVIATION HANGAR	N/A
2014	A&P DETAILING (Aircraft Detailer)	(760) 333 - 9684
2016	MAGELLAN AVIATION HANGAR	N/A
2018	MAGELLAN AVIATION HANGAR / FUN FLIGHTS LLC	(760) 918-3539
2026	JET SOURCE HANGAR	N/A
	SCHUBACH AVIATION (Main Office / Charter)	(760) 929 - 0307
	HANGAR ONE MAINTENANCE (Aircraft Maintenance & Avionics)	(760) 929 - 2270

ADDITIONAL BUSINESS INFORMATION ON REVERSE SIDE

McCLELLAN-PALOMAR AIRPORT BUSINESS MAP

BLDG. #	BUSINESS NAME	PHONE NUMBER
2036	JET SOURCE HANGAR	N/A
	QUALITY AIRCRAFT CARE (Aircraft Detailer)	(760) 815 - 9241
	JET SOURCE HANGAR / CUTTER (Piper Aircraft Sales)	(760) 579 - 0821
2056	JET SOURCE (FBO) Fixed Base Operator / Main Office / Charter / Aircraft Sales UNICOM: 129.000	(760) 438 - 0877
	JET SOURCE MAINTENANCE (Aircraft Maintenance & Avionics)	(760) 804 - 3160
2100	ATLANTIC AVIATION (FBO) Fixed Base Operator / Main Office / Charter / Aircraft Sales UNICOM: 131.175	(760) 930 - 0123
	SURF AIR	(800) 365 - 6179
	SKY LINE FLIGHT TRAINING (Flight School)	(858) 222 - 2403
2150	ATLANTIC AVIATION HANGAR	N/A
	CLAY LACY AVIATION	(858) 381 - 2529
2186	LEADING EDGE AVIATION (Aircraft Maintenance)	(760) 931 - 8565
	ORION AVIATION (Aircraft Maintenance)	(760) 476 - 9028
	RED CARPET Aviation (Aircraft Detailer)	(760) 889 - 2471
	PLUS ONE FLYERS (Flying Club)	(619) 279 - 7499
2198	U.S. CUSTOMS (CBP) OFFICE	(760) 431 - 4629
	AVIS RENTAL CAR OFFICE	(760) 931 - 1393
	BUDGET RENTAL CAR OFFICE	(760) 931 - 2469
	HERTZ RENTAL CAR OFFICE	(760) 603 - 8005
	AIRPORT FIRE DEPARTMENT (ARFF) OFFICE	(760) 603 - 9385
	AIRPORT SECURITY (SOC) OFFICE	(760) 431 - 4628
	THE LANDINGS RESTAURANT & BAR	(760) 929 - 0200
2192	COUNTY OF SAN DIEGO AIRPORT ADMINISTRATION	(760) 966 - 3281
	AIRPORT MANAGER / ADMIN / AIRPORT OPERATIONS / AIRPORT MAINTENANCE	(760) 431 - 4646
2200	FAA AIR TRAFFIC CONTROL FACILITY (Tower / Administrative Office)	(760) 438 - 4969
	CRQ RADIO FREQUENCY INFO: GROUND 121.800 / TOWER 118.600 / CLEARANCE 134.850 / ASOS 120.150	
2206	CIVIC HELICOPTERS INC. (Main Office / Flight Training / Charter /Tours / Aircraft Maintenance / Aircraft Sales)	(760) 438 -8424
2208	WESTERN FLIGHT HANGAR	N/A
2210	WESTERN FLIGHT (FBO) Fixed Base Operator / Main Office / Charter / Aircraft Sales UNICOM: 130.000	(760) 438 – 6800
	ATP (Fight School)	(760) 931 – 0381
	PINNACLE AVIATION (Flight School)	(760) 929 – 1009
	PACIFIC COAST FLYERS (Flying Club)	(877) 723 – 5937
2220	ROYAL JET	N/A

FUEL FACILITY AND REFUELER TRUCK INFORMATION

Atlantic Aviation

Refueler Trucks

VEHICLE INDENTIFICATION	FUEL TYPE	CAPACITY
Alpha	Jet – A	5000 Gallons
Bravo	Jet – A	5000 Gallons

Fuel Facility

TANK LOCATION	FUEL TYPE	CAPACITY
Tank One (Below Ground)	Jet – A	15,000 Gallons
Tank Two (Below Ground)	Jet – A	12,000 Gallons

FUEL FACILITY AND REFUELER TRUCK INFORMATION

Civic Helicopter

Refueler Trucks

VEHICLE INDENTIFICATION	FUEL TYPE	CAPACITY
Jet A	Jet – A	500 Gallons
Isuzu NPR AVGAS	AVGAS	1000 Gallons

UPDATED 05-09-2016

FUEL FACILITY AND REFUELER TRUCK INFORMATION

Jet Source

Refueler Trucks

VEHICLE INDENTIFICATION	FUEL TYPE	CAPACITY
800	Jet – A	5000 Gallons
900	Jet – A	5000 Gallons
500	AVGAS	1000 Gallons
Diesel (Equipment usage: nonpublic sale)	Diesel	750 Gallons

Fuel Facility

TANKS	FUEL TYPE	CAPACITY
Tank One (Below Ground)	Jet – A	25,000 Gallons
Tank Two (Below Ground)	Jet - A	25,000 Gallons
Tank Three (Below Ground)	AVGAS	20,000 Gallons

FUEL FACILITY AND REFUELER TRUCK INFORMATION

Magellan Aviation

Refueler Trucks

VEHICLE INDENTIFICATION	FUEL TYPE	CAPACITY
383	Jet – A	5000 Gallons
520	Jet – A	3000 Gallons
819	AVGAS	900 Gallons

Fuel Facility

TANK LOCATION	FUEL TYPE	CAPACITY
Tank One (Below Ground)	Jet – A	20,000 Gallons
Tank Two (Below Ground)	AVGAS	15,000 Gallons
Tank Three (Below Ground)	Diesel	2,000 Gallons

UPDATED 05-09-2016

FUEL FACILITY AND REFUELER TRUCK INFORMATION

Royal Jet

Refueler Trucks

Fuel Facility

TANK LOCATION	FUEL TYPE	CAPACITY
Tank One (Below Ground)	Jet - A	11,000 Gallons

UPDATED 05-09-2016

FUEL FACILITY AND REFUELER TRUCK INFORMATION

True North

Refueler Trucks

Fuel Facility

TANK LOCATION	FUEL TYPE	CAPACITY
Tank One (Above Ground)	AVGAS	12,000 Gallons

UPDATED 05-09-2016

FUEL FACILITY AND REFUELER TRUCK INFORMATION

Western Flight

Refueler Trucks

VEHICLE INDENTIFICATION	FUEL TYPE	CAPACITY
J1	Jet – A	5000 Gallons
J2	Jet – A	5000 Gallons
A1	AVGAS	1000 Gallons
A2	AVGAS	1000 Gallons
Diesel (Equipment usage nonpublic sale)	Diesel	1000 Gallons

Fuel Facility

TANK LOCATION	FUEL TYPE	CAPACITY
Tank One (Below Ground)	Jet - A	20,000 Gallons
Tank Two (Below Ground)	Jet - A	20,000 Gallons
Tank Three (Below Ground)	AVGAS	12,000 Gallons



400 200 0 400 Feet

Deep Monitor Well

Shallow Monitor Well

Approximate Subdrain Location

Destroyed Monitor Well

Infiltration Gallery

Photo:
Hammon, Jenson, Wallace and Associates, 02-01-01

P:/GIS/Palomar/SitePlan

GeoSyntec Consultants

SITE PLAN
PALOMAR AIRPORT LANDFILL
CARLSBAD, CALIFORNIA

FIGURE NO.	1
PROJECT NO.	SC0226
DATE:	APRIL 2005

Hazardous Materials Inventory (6)

Accepted Apr. 3, 2014

☐ Only show materials with errors/warnings

	Common Name	CAS	Location	Max Daily Amount
View	ANSULITE 3%	N/A - MIXTURE	SEE SITE MAP/PLAN	355 gallons
View	NITROGEN GAS	7727-37-9	SEE SITE MAP/PLAN	1,370 cubic feet
View	NO. 1 DISTILLATE FUEL	8008-20-06	SEE SITE MAP/PLAN	437 gallons
View	POTASSIUM BICARBONATE, PURPLE K DRY CHEMICAL	298-14-6	SEE SITE MAP/PLAN	1,750 pounds
View	ULTRASORB OIL ABSORBENT	61790-53-2	SEE SITE MAP/PLAN	1,999.8 pounds
View	GASOLINE, AVIATION	8006-61-9	SEE SITE MAP/PLAN	12,000 gallons

HMIS Matrix Report | Export To Excel

1 | 10 items per page | 1 - 6 of 6 items

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE

Site Name / Address	McClellan-Palomar Airport 2192 Palomar Airport Road Carlsbad, California	Project No.	108225001

***Please answer *in good faith and to the best of your ability* and elaborate as much as possible on any question answered "yes."**

General Environmental

1) Describe the current uses of the site. How long has the site been used for these purposes?

Commercial Airport. Aircraft take offs, landings, fueling, maintenance, sales, insurance and management. Opened in 1959 for limited operation.

2) Describe the structures previously present at the site and their usage/occupants and age.

1st terminal building built in 1960. Unknown for all other structures except new terminal which opened in November 2008.

3) When were the structures constructed, if known?

See # 2.

4) What is the historical land use of the site? Describe the past uses, owners, and operators of the site. (Be as detailed as possible and note approximate time periods, if known.)

Open land until developed as an airport.

5) Are there currently, or were there previously any underground storage tanks (USTs) at the site? If so, please describe their capacities and contents.

Yes, working on data.

6) Have all USTs been removed from the site? If so, when?

No, two have.

7) Was associated underground piping associated with the USTs removed?

Unknown

8) Was soil and/or groundwater sampling conducted at the time of UST removal? If so, please describe.

Yes, I don't have the data, DEH should have.

9) Are you aware of any environmental issues associated with the site or of potential soil and/or groundwater contamination?

[ ] Yes [X] No

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE

Site Name / Address	**McClellan-Palomar Airport 2192 Palomar Airport Road Carlsbad, California**	**Project No.**	**108225001**

10) Have fill soils been brought to the property?

[ ] Yes [ ] No [X] Unknown (Fill Soils?)

11) Has there been storage of hazardous materials or wastes on the property?

[ ] Yes [ ] No [X] Unknown (kept until removed but not stored)

12) Have any of the following items been stored on the site in containers greater than 5 gallons?

Paint [ ] Yes [ ] No [X] Unknown Chemicals [ ] Yes [ ] No [X] Unknown Pesticides/Herbicides [ ] Yes [ ] No [X] Unknown Automotive-Related Oils/Fuels [ ] Yes [ ] No [X] Unknown

13) Have there been any spills or releases of chemicals, hazardous substances, or wastes on the property?

[X] Yes [ ] No [ ] Unknown

14) Have any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or other waste materials been dumped aboveground, buried, or burned on the site?

[ ] Yes [] No [X] Unknown

15) Is the site hooked up to a municipal sanitary sewer system or is there a septic tank/system?

[X] Sanitary Sewer [ ] Septic

16) Are/were there any subsurface wastewater features, such as sumps, clarifiers, discharge systems, at the site?

[X] Yes [ ] No [ ] Unknown

17) Does the site discharge wastewater, other than domestic wastewater or storm water, into the sewer or onto another property?

[ ] Yes [X] No [ ] Unknown

18) Other than permission for domestic hookup, have any city, county, or other permits for wastewater discharge been issued to the site?

[ ] Yes [ ] No [X] Unknown

Site Name / Address	McClellan-Palomar Airport 2100 Palomar Airport Road Carlsbad, California	Project No.	108225001

19) Is there a transformer, capacitor, or other equipment that may contain PCBs on the site?

[ ] Yes [ ] No [X] Unknown

20) Other than small quantities of legal pesticides used for landscape maintenance (e.g., Roundup), have pesticides, herbicides, or insecticides been applied on the site?

[ ] Yes [ ] No [X]Unknown

21) Are/were there any wells on the site (e.g., water supply wells, groundwater monitoring wells, etc.)

[X] Yes [ ] No [ ] Unknown

22) Are there currently, or were there previously, any pits, ponds, or lagoons on the site?

[ ] Yes [ ] No [X] Unknown

23) Are there currently, or were there previously, areas on the site with stained soil?

[ ] Yes [ ] No [X] Unknown

24) To your knowledge, have adjoining properties been used for industrial activities, such the following? (Please note that an adjoining property is a property that is contiguous with, or directly across the street from the site.) I think no for all but am unsure

Gasoline Station [ ] Yes [ ] No [X] Unknown
Printing Facility [ ] Yes [ ] No [X] Unknown
Metal Plating/Manufacturing [ ] Yes [ ] No [X] Unknown
Landfill [X] Yes [ ] No [ ] Unknown
Auto Repair Facility [ ] Yes [ ] No [X] Unknown
Dry Cleaners [ ] Yes [ ] No [X] Unknown
Junkyard [ ] Yes [ ] No [X] Unknown
Waste or Wastewater Treatment [ ] Yes [ ] No [X] Unknown
Storage, Disposal, or Recycling Facility [ ] Yes [ ] No [X] Unknown

25) Are there any known issues related to spills/contamination with adjoining or nearby properties?

[ ] Yes [ ] No [X] Unknown

26) Are you aware of any previously prepared documentation for the site, such as:

- environmental sampling, compliance audit, or assessment reports
- environmental permits, registrations for aboveground or underground storage tanks
- material safety data sheets (MSDS)
- community right-to-know plans
- safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans
- geotechnical or hydrogeologic reports
- storm water documents
- risk assessments
- hazardous waste generator notices?

(If so, are they available for review?)

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE

We have some of these

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE

Site Name / Address	**McClellan-Palomar Airport 2100 Palomar Airport Road Carlsbad, California**	**Project No.**	**108225001**

Legal/Activity and Use Limitations

27) Are you aware of any environmental cleanup liens or activity and use limitations such as engineering controls, land use or deed restrictions or institutional controls associated with the site that are filed or recorded under federal, tribal, state, or local law?

[ ] Yes [ ] No

28) Are you aware of any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?

[ ] Yes [ ] No

29) Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?

[ ] Yes [ ] No

_____ _____
NAME (IN PRINT) DATE

_____
SIGNATURE

[ ] Owner [ ] Occupant [ ] Owner Representative [ ] Other:

***When complete, return questionnaire via email, fax, and/or mail to the following:**

Ms. Brianne Cortright
Senior Staff Environmental Geologist
Ninyo and Moore
5710 Ruffin Road
San Diego, California 92123
bcortright@ninyoandmoore.com
(858) 576-1000 Office
(858) 576-9600 FAX

PHASE I ESA
USER QUESTIONNAIRE

Property Name/Address: **McClellan-Palomar Airport**
2192 Palomar Airport Road
Carlsbad, California

Please respond to all of the following questions to the best of your knowledge. The purpose of this questionnaire is to assist the user (the client or party seeking to use the Phase I ESA) and the environmental professional in gathering information from the user that may be material to documenting Recognized Environmental Conditions (RECs) at the site. Please note that the user of the Phase I ESA (the client), if seeking protection from CERCLA liability, must adhere to a set of user responsibilities as defined by the ASTM International (ASTM) Standard Practice E1527-13 and the United States Environmental Protection Agency (EPA) 40 Code of Federal Regulations Part 312 titled "Standards and Practices for all Appropriate Inquiries (AAI)". Failure to provide this information could result in a determination that AAI is not complete.

Per Section 6 of ASTM Standard E1527-13 and 40 CFR Part 312 of the AAI rule, the user's responsibilities include, but are not limited to, the following:

- review reasonably ascertainable land title records, lien records, and/or judicial records to search for environmental cleanup liens or activity and use limitations (AULs) against the site filed or recorded under federal, tribal, state, or local law, or engage a title company to review such records. Evidence of environmental liens and/or activity and use limitations on the site, if discovered, must be provided to the environmental consultant;
- report to the environmental professional specialized knowledge or experience material to RECs in connection with the property;
- report to the environmental professional knowledge of environmental liens or AULs encumbering or in connection with the property;
- consider the relationship of the purchase price of the property to its fair market value and whether a lower purchase price is related to potential contamination;
- report to the environmental professional commonly known or reasonably ascertainable information material to RECs; and
- report to the environmental professional the reason for conducting the Phase I ESA.

User responsibilities, CERCLA liability relief, and AAI components are discussed in the AAI rule and in the ASTM E1527-13 standard.

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

Did a search of recorded land title records (or judicial records where appropriate) identify environmental liens filed or recorded against the property under federal, tribal, state or local law?

☐Yes ☐No **UNKOWN**

2) Activity and use limitations (AULs) that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and (vi).

Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls, that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?

☐Yes ☐No **UNKOWN**

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

☐Yes ☐No If yes, please describe: **UNKOWN**

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

☐Yes ☐No ☒Not applicable (No Property Purchase Involved) If yes, please describe:

PHASE I ESA
USER QUESTIONNAIRE

Property Name/Address: **McClellan-Palomar Airport**
2192 Palomar Airport Road
Carlsbad, California

5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as the user,

a) Do you know the past uses of the property?

☐ Yes ☒ No If yes, please describe:

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

☐ Yes ☒ No If yes, please describe:

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

☐ Yes ☐ No If yes, please describe: **UNKOWN**

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

☐ Yes ☐ No If yes, please describe: **UNKOWN**

6) The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).
As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

☐ Yes ☐ No If yes, please describe: **UNKOWN**

7) What is the reason for having the Phase I ESA performed (ASTM 1527-13, Section 6.8)?
As part of the due diligence for preparation of a Programmatic Environmental Impact Report.

8) Are you aware of any previously prepared documentation for the site, such as:

- previous Phase I ESA or Phase II ESA reports
- environmental sampling, compliance audit, or assessment reports
- environmental permits
- registrations for aboveground or underground storage tanks
- registrations for underground injections systems
- material safety data sheets (MSDS)
- community right-to-know plans,
- safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans
- geotechnical or hydrogeologic reports
- storm water documents
- risk assessments
- hazardous waste generator notices

☐ Yes ☐ No If yes, please describe: **UNKOWN**

Completed By:

_____
Signature Date

_____
Printed Name Title

APPENDIX C

ENVIRONMENTAL DATABASE REPORT

McClellan-Palomar Airport
2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008

Inquiry Number: 4724566.2s
September 12, 2016

The EDR Radius Map™ Report with GeoCheck®

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

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2501 PALOMAR AIRPORT RD
CARLSBAD, CA 92008

COORDINATES

Latitude (North):	33.1276670 - 33° 7' 39.60''
Longitude (West):	117.2790040 - 117° 16' 44.41''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	473973.6
UTM Y (Meters):	3665283.2
Elevation:	311 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5641318 SAN LUIS REY, CA
Version Date:	2012
Northeast Map:	5641320 SAN MARCOS, CA
Version Date:	2012
Southeast Map:	5641310 RANCHO SANTA FE, CA
Version Date:	2012
Southwest Map:	5641296 ENCINITAS, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2501 PALOMAR AIRPORT RD
CARLSBAD, CA 92008

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	PALOMAR AIRPORT SAN	PALOMAR AIRPORT RD	CA WMUDS/SWAT	Higher	1 ft.
A2	OCEAN AIR FLIGHT SER	PALOMAR AIRPORT	CA Notify 65	Higher	1 ft.
B3	FLIGHT INTERNATIONAL	2210 PALOMAR AIRPORT	CA LUST	Lower	1 ft.
B4	PALOMAR AVIATION FUE	2198 PALOMAR AIRPORT	CA SWEEPS UST	Lower	1 ft.
C5	ALADDIN AVIATION INC	2148 PALOMAR AIRPORT	CA SWEEPS UST, CA CHMIRS	Higher	1 ft.
C6	PALOMAR AIRPORT CENT	2138 PALOMAR AIRPORT	CA UST	Higher	1 ft.
C7	OASIS PETROLEUM	2166 PALOMAR AIRPORT	CA HIST UST	Higher	1 ft.
C8	AIRTIME AVIATION	2160 PALOMAR AIRPORT	CA LUST, CA SAN DIEGO CO. SAM, CA San Diego Co....	Higher	1 ft.
B9	OCEAN AIR CHARTERS	2206 PALOMAR AIRPORT	CA UST, CA San Diego Co. HMMD, CA SWEEPS UST	Lower	1 ft.
B10	WESTERN FLIGHT INTL	2210 PALOMAR AIRPORT	CA LUST, CA SLIC, CA San Diego Co. HMMD, CA SWEEPS...	Lower	1 ft.
B11	AIR RESORTS AIRLINES	2192 PALOMAR AIRPORT	RCRA-SQG, CA LUST, CA San Diego Co. HMMD, CA...	Lower	1 ft.
B12	PALOMAR AVIATION FUE	2198 PALOMAR AIRPORT	CA SAN DIEGO CO. SAM, CA UST	Lower	1 ft.
B13	WESTERN FLIGHT INC.	2210 PALOMAR AIRPORT	CA SAN DIEGO CO. SAM, CA UST	Lower	1 ft.
B14	CIVIC HELICOPTERS, I	2206 PALOMAR AIRPORT	CA AST, CA San Diego Co. HMMD	Lower	1 ft.
B15	PALOMAR AVIATION FUE	2198 PALOMAR AIRPORT	CA SWF/LF, CA SAN DIEGO CO. SAM, CA SLIC, CA San...	Lower	1 ft.
B16	PALOMAR AIRPORT	2192 PALOMAR AIRPORT	CA LUST	Lower	1 ft.
17	JET SOURCE, INC.	2056 PALOMAR AIRPORT	RCRA-LQG, CA LUST, CA SAN DIEGO CO. SAM, CA SLIC,...	Higher	1 ft.
C18	PRO TEC FIRE SERVICE	2188 PALOMAR AIRPORT	CA LUST, CA San Diego Co. HMMD, CA HIST CORTESE	Higher	4, 0.001,
C19	AIR RESORTS AIRLINES	2188 PALOMAR AIRPORT	CA SAN DIEGO CO. SAM, CA San Diego Co. HMMD	Higher	4, 0.001,
C20		2199 PALOMAR AIRPOR	EDR Hist Cleaner	Higher	104, 0.020, SE
D21	CARLSBAD MUNICIPAL W	5950 EL CAMINO REAL	RCRA-SQG, CA San Diego Co. HMMD, CA SWEEPS UST,...	Lower	127, 0.024, ENE
D22	COSTA REAL MUNICIPAL	5950 EL CAMINO REAL	CA HIST UST, CA ENF	Lower	127, 0.024, ENE
23	L 3 PHOTONICS	5957 LANDAU CT	RCRA-SQG, FINDS, ECHO	Lower	130, 0.025, NNE
D24	PALOMAR TRANSFER STA	5960 EL CAMINO REAL	RCRA-SQG, CA SWF/LF, CA LUST, CA SWRCY, FINDS, CA...	Lower	191, 0.036, ENE
D25	COAST WASTE MANAGEME	5960 EL CAMINO REAL	RCRA NonGen / NLR, FINDS, ECHO	Lower	191, 0.036, ENE
D26	COAST WASTE MANAGEME	5960 EL CAMINO REAL	CA SAN DIEGO CO. SAM, CA UST, CA AST, CA San Diego...	Lower	191, 0.036, ENE
D27	COAST WASTE MANAGEME	5960 EL CAMINO REAL	CA LUST, CA HIST CORTESE, CA WDS	Lower	191, 0.036, ENE
28	L3 PHOTONICS	5928 GEIGER CT	RCRA-SQG, CA HAZNET	Lower	194, 0.037, North
29	COBRA GOLF INC	5928 FARNSWORTH CT	RCRA-SQG, FINDS, ECHO	Lower	197, 0.037, NW
30		2121 PALOMAR AIRPOR	EDR Hist Auto	Lower	291, 0.055, SE
31	REPUBLIC TOOL AND MF	6212 CORTE DEL ABETO	RCRA-SQG, CA San Diego Co. HMMD, FINDS, ECHO	Lower	375, 0.071, South
32	REPUBLIC TOOL AND MA	1960 KELLOGG AVE	RCRA-SQG, FINDS, ECHO	Lower	393, 0.074, WSW
33	STEROGENE BIOSEPARAT	1949 KELLOGG AVE	RCRA-SQG	Lower	437, 0.083, WSW
E34	PACIFIC ANALYTICAL I	6056 CORTE DEL CEDRO	RCRA-SQG, CA San Diego Co. HMMD, FINDS, CA HAZNET,...	Lower	441, 0.084, East
F35	EAGLE ONE	5927 LANDAU CT	CA San Diego Co. HMMD, RCRA NonGen / NLR, FINDS,...	Lower	463, 0.088, NNE
E36	SURGISTAR INC	6068 CORTE DEL CEDRO	RCRA-SQG, CA San Diego Co. HMMD, FINDS, CA HAZNET,...	Lower	466, 0.088, ESE
G37	CARLSBAD TECHNOLOGY	5923 BALFOUR CT	CA UST, CA San Diego Co. HMMD	Lower	499, 0.095, NNW
G38	CARLSBAD TECHNOLOGY	5923 BALFOUR CT	RCRA-LQG	Lower	499, 0.095, NNW
H39	JET SOURCE	2036 PALOMAR AIRPORT	CA LUST, CA SAN DIEGO CO. SAM	Lower	508, 0.096, South

MAPPED SITES SUMMARY

Target Property Address:
2501 PALOMAR AIRPORT RD
CARLSBAD, CA 92008

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H40	JET SOURCE, INC	2036 PALOMAR AIRPORT	CA UST	Lower	508, 0.096, South
41	CVI MELLES GRIOT	2051 PALOMAR AIRPORT	RCRA-LQG	Lower	532, 0.101, SSE
F42	MELLES GRIOT LASER D	2251 RUTHERFORD RD	RCRA-SQG, CA ENVIROSTOR, CA San Diego Co. HMMD,...	Lower	541, 0.102, NNE
43	MAY BE PALOMAR AIRPO	PALOMAR AIRPORT RD &	CA WMUDS/SWAT	Lower	557, 0.105, East
I44	GENMARK DIAGNOSTICS	5964 LA PLACE CT	RCRA-SQG	Higher	600, 0.114, NE
I45	GREENFIELD ENVIRONME	5964 LAPLACE CT STE	RCRA NonGen / NLR, FINDS, CA HAZNET, ECHO	Higher	600, 0.114, NE
46	FORECAST 3D	2221 RUTHERFORD RD	RCRA-SQG, CA San Diego Co. HMMD, FINDS, CA HAZNET,...	Lower	606, 0.115, North
J47	CAL BOND INC	6110 YARROW DR	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co....	Lower	634, 0.120, SE
J48	CAL BOND INC.	6110 YARROW DRIVE	RCRA-LQG	Lower	634, 0.120, SE
49	CALLAWAY GOLF COMPAN	2285 RUTHERFORD ROAD	RCRA-LQG, CA AST, CA San Diego Co. HMMD, CA...	Higher	634, 0.120, NE
K50	T M I	5858 DRYDEN PL	RCRA-SQG, CA San Diego Co. HMMD, FINDS, CA HAZNET,...	Lower	662, 0.125, WSW
K51	CALLAWAY GOLF COMPAN	5858 DRYDEN PLACE	RCRA-CESQG	Lower	662, 0.125, WSW
L52	PALOMAR AIRPORT SANI	2016 PALOMAR AIRPORT	CA SWF/LF, CA LUST, CA SLIC, CA LDS, CA ENF	Lower	675, 0.128, SSW
L53	AIR RESORTS AIRLINES	2016 PALOMAR AIRPORT	CA SAN DIEGO CO. SAM, CA San Diego Co. HMMD	Lower	675, 0.128, SSW
M54	WCM WASTE & COMPLIAN	6054 CORTE DEL CEDRO	CA San Diego Co. HMMD, CA MWMP	Lower	692, 0.131, ESE
N55	SYNERGEYES INC	2232 RUTHERFORD RD	RCRA-LQG	Lower	746, 0.141, North
G56	CALLAWAY GOLF CO	2180 RUTHERFORD RD	RCRA-LQG, CA San Diego Co. HMMD, FINDS, CA EMI, CA...	Lower	748, 0.142, NNW
M57	SCHMUCKLE PAINTING I	6084 CORTE DEL CEDRO	RCRA-SQG	Lower	777, 0.147, ESE
L58	HUGHES HELICOPTERS	2006 PALOMAR AIRPORT	RCRA NonGen / NLR, FINDS, ECHO	Lower	781, 0.148, SSW
J59	METORAMIC SCIENCES I	6150-A YARROW DR	RCRA-SQG	Lower	844, 0.160, SE
O60	SIERRACIN MAGNEDYNE	2258 RUTHERFORD RD	CA San Diego Co. HMMD, RCRA NonGen / NLR, FINDS,...	Lower	847, 0.160, NNE
O61	DAIMLER CHRYSLER PAC	2250 RUTHERFORD ROAD	RCRA-SQG, CA San Diego Co. HMMD, FINDS, CA EMI, CA...	Lower	879, 0.166, NNE
N62	BIOTA INC	2232 RUTHERFORD RD	RCRA-SQG, FINDS, CA HAZNET, ECHO	Lower	901, 0.171, North
63	THE SOCO GROUP, INC.	5962 PRIESTLY DRIVE	FUELS PROGRAM	Lower	927, 0.176, NE
P64	HOME DEPOT 4285	1905 ASTON AVE	NJ MANIFEST	Lower	930, 0.176, WNW
P65	HOME DEPOT USA #3027	4030 HWY 54	RCRA-SQG, WI MANIFEST	Lower	930, 0.176, WNW
Q66	HUGHES AIRCRAFT CO.	6155 EL CAMINO REAL	RCRA-SQG, FINDS, ECHO	Lower	981, 0.186, East
Q67	HUGHES-JVC TECHNOLOG	6155 EL CAMINO REAL	CA LUST, CA SLIC, CA HIST UST	Lower	981, 0.186, East
Q68	HUGHES MICROELECTRON	6155 EL CAMINO REAL	CA LUST, CA SWEEPS UST, CA EMI, CA HWP	Lower	981, 0.186, East
Q69	HUGHES-JVC TECHNOLOG	6155 EL CAMINO REAL	CA SAN DIEGO CO. SAM, CA San Diego Co. HMMD, CA...	Lower	981, 0.186, East
70	GENOPTIX INC	2110 RUTHERFORD RD	RCRA-SQG, CA HAZNET	Lower	1083, 0.205, NW
71	ELECTRO SURFACE TECH	5925 PRIESTLY DR	CA San Diego Co. HMMD, RCRA NonGen / NLR, FINDS,...	Lower	1110, 0.210, NNE
R72	INDUSTRIAL RECOVERY	2075 CORTE DEL NOGAL	RCRA NonGen / NLR, FINDS, ECHO	Lower	1115, 0.211, SSE
R73	INDUSTRIAL RECOVERY	2075 CORTE DEL NOGAL	TX Ind. Haz Waste	Lower	1115, 0.211, SSE
S74	ARCO #05792	1991 PALOMAR AIRPORT	CA LUST, CA San Diego Co. HMMD, CA EMI	Lower	1179, 0.223, SSW
S75	ARCO	1991 PALOMAR AIRPORT	CA SAN DIEGO CO. SAM	Lower	1179, 0.223, SSW
S76	ARCO FACILITY NO 057	1991 PALOMAR AIRPORT	RCRA-SQG, FINDS, ECHO	Lower	1179, 0.223, SSW
S77	AM/PM MKT/ARCO #5792	1991 PALOMAR AIRPORT	CA UST	Lower	1179, 0.223, SSW
78	PALOMAR FORUM	3100 PALOMAR AIRPORT	CA SAN DIEGO CO. SAM, CA SLIC	Higher	1629, 0.309, ENE

MAPPED SITES SUMMARY

Target Property Address:
2501 PALOMAR AIRPORT RD
CARLSBAD, CA 92008

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
T79	BECKMAN COULTER INC	2470 FARADAY AVE.	CA ENVIROSTOR, CA San Diego Co. HMMD, FINDS, CA...	Higher	1920, 0.364, NE
T80	BECKMAN COULTER, INC	2470 FARADAY AVE	SEMS-ARCHIVE, RCRA-LQG, ICIS	Higher	1920, 0.364, NE
U81	HAWTHORNE MACHINERY	2065 CAMINO VIDA ROB	CA SAN DIEGO CO. SAM, CA UST, CA AST, CA San Diego...	Lower	1974, 0.374, South
U82	HAWTHORNE MACHINERY	2065 CAMINO VIDA ROB	CA LUST	Lower	1974, 0.374, South
U83	HAWTHORNE RENT IT SV	2065 CAMINO VIDA ROB	RCRA-SQG, CA LUST, FINDS, ECHO	Lower	1974, 0.374, South
84	CARLSBAD RESEARCH CE	2210 FARADAY	CA SAN DIEGO CO. SAM	Lower	1996, 0.378, North
85	FACILITY 13600 TANK	6350 YARROW	CA San Diego Co. HMMD, CA CHMIRS, CA HIST CORTESE	Lower	2069, 0.392, SSE
86	PACIFIC RECORDERS &	2080 LAS PALMAS DR	CA SAN DIEGO CO. SAM, CA SLIC	Lower	2263, 0.429, SSE
87	DANIELS CABLEVISION	5720 EL CAMINO REAL	CA LUST, CA SAN DIEGO CO. SAM, CA SLIC, CA San...	Higher	2371, 0.449, NNE

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 RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

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

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

FEMA UST ---- Underground Storage Tank Listing
INDIAN UST ---- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

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 Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

CA HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- 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
CA DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting 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
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
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 MINES ---- Mines Master Index File
UXO ---- Unexploded Ordnance Sites
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
CA BOND EXP. PLAN ---- Bond Expenditure Plan
CA Cortese ---- "Cortese" Hazardous Waste & Substances Sites List
CA CUPA Listings ---- CUPA Resources List
CA DRYCLEANERS ---- Cleaner Facilities
CA Financial Assurance ---- Financial Assurance Information Listing
CA HWT ---- Registered Hazardous Waste Transporter Database
CA MINES ---- Mines Site Location Listing
CA PEST LIC ---- Pesticide Regulation Licenses Listing
CA PROC ---- Certified Processors Database
CA UIC ---- UIC Listing
CA WASTEWATER PITS ---- Oil Wastewater Pits Listing
CA WIP ---- Well Investigation Program Case List
CA ICE ---- ICE

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---- EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF ---- Recovered Government Archive Solid Waste Facilities List

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 03/07/2016 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BECKMAN COULTER, INC	***2470 FARADAY AVE***	***NE 1/4 - 1/2 (0.364 mi.)***	***T80***	***465***

Federal RCRA generators list

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

A review of the RCRA-LQG list, as provided by EDR, and dated 06/21/2016 has revealed that there are 7 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JET SOURCE, INC.	***2056 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***17***	***92***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALLAWAY GOLF COMPAN	***2285 RUTHERFORD ROAD***	***NE 0 - 1/8 (0.120 mi.)***	***49***	***280***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CARLSBAD TECHNOLOGY	5923 BALFOUR CT	NNW 0 - 1/8 (0.095 mi.)	G38	241
CVI MELLES GRIOT	2051 PALOMAR AIRPORT	SSE 0 - 1/8 (0.101 mi.)	41	250
CAL BOND INC.	6110 YARROW DRIVE	SE 0 - 1/8 (0.120 mi.)	J48	279
SYNERGEYES INC	2232 RUTHERFORD RD	N 1/8 - 1/4 (0.141 mi.)	N55	328
CALLAWAY GOLF CO	***2180 RUTHERFORD RD***	***NNW 1/8 - 1/4 (0.142 mi.)***	***G56***	***330***

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

A review of the RCRA-SQG list, as provided by EDR, and dated 06/21/2016 has revealed that there are 23 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GENMARK DIAGNOSTICS	5964 LA PLACE CT	NE 0 - 1/8 (0.114 mi.)	I44	266

Lower Elevation	Address	Direction / Distance	Map ID	Page
AIR RESORTS AIRLINES	***2192 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B11***	***60***
CARLSBAD MUNICIPAL W	***5950 EL CAMINO REAL***	***ENE 0 - 1/8 (0.024 mi.)***	***D21***	***141***
L 3 PHOTONICS	***5957 LANDAU CT***	***NNE 0 - 1/8 (0.025 mi.)***	***23***	***174***
PALOMAR TRANSFER STA	***5960 EL CAMINO REAL***	***ENE 0 - 1/8 (0.036 mi.)***	***D24***	***177***
L3 PHOTONICS	***5928 GEIGER CT***	***N 0 - 1/8 (0.037 mi.)***	***28***	***207***
COBRA GOLF INC	***5928 FARNSWORTH CT***	***NW 0 - 1/8 (0.037 mi.)***	***29***	***211***
REPUBLIC TOOL AND MF	***6212 CORTE DEL ABETO***	***S 0 - 1/8 (0.071 mi.)***	***31***	***214***
REPUBLIC TOOL AND MA	***1960 KELLOGG AVE***	***WSW 0 - 1/8 (0.074 mi.)***	***32***	***217***
STEROGENE BIOSEPARAT	1949 KELLOGG AVE	WSW 0 - 1/8 (0.083 mi.)	33	218
PACIFIC ANALYTICAL I	***6056 CORTE DEL CEDRO***	***E 0 - 1/8 (0.084 mi.)***	***E34***	***220***
SURGISTAR INC	***6068 CORTE DEL CEDRO***	***ESE 0 - 1/8 (0.088 mi.)***	***E36***	***228***
MELLES GRIOT LASER D	***2251 RUTHERFORD RD***	***NNE 0 - 1/8 (0.102 mi.)***	***F42***	***256***
FORECAST 3D	***2221 RUTHERFORD RD***	***N 0 - 1/8 (0.115 mi.)***	***46***	***273***
T M I	***5858 DRYDEN PL***	***WSW 1/8 - 1/4 (0.125 mi.)***	***K50***	***309***
SCHMUCKLE PAINTING I	6084 CORTE DEL CEDRO	ESE 1/8 - 1/4 (0.147 mi.)	M57	353
METORAMIC SCIENCES I	6150-A YARROW DR	SE 1/8 - 1/4 (0.160 mi.)	J59	356
DAIMLER CHRYSLER PAC	***2250 RUTHERFORD ROAD***	***NNE 1/8 - 1/4 (0.166 mi.)***	***O61***	***363***
BIOTA INC	***2232 RUTHERFORD RD***	***N 1/8 - 1/4 (0.171 mi.)***	***N62***	***374***
HOME DEPOT USA #3027	***4030 HWY 54***	***WNW 1/8 - 1/4 (0.176 mi.)***	***P65***	***379***
HUGHES AIRCRAFT CO.	***6155 EL CAMINO REAL***	***E 1/8 - 1/4 (0.186 mi.)***	***Q66***	***383***
GENOPTIX INC	***2110 RUTHERFORD RD***	***NW 1/8 - 1/4 (0.205 mi.)***	***70***	***403***
ARCO FACILITY NO 057	***1991 PALOMAR AIRPORT***	***SSW 1/8 - 1/4 (0.223 mi.)***	***S76***	***426***

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 06/21/2016 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
CALLAWAY GOLF COMPAN	5858 DRYDEN PLACE	WSW 1/8 - 1/4 (0.125 mi.)	K51	313

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 05/02/2016 has revealed that there are 2 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BECKMAN COULTER INC	***2470 FARADAY AVE.***	***NE 1/4 - 1/2 (0.364 mi.)***	***T79***	***428***
Facility Id: 37280049				
Status: Refer: Other Agency				

Lower Elevation	Address	Direction / Distance	Map ID	Page
MELLES GRIOT LASER D	***2251 RUTHERFORD RD***	***NNE 0 - 1/8 (0.102 mi.)***	***F42***	***256***
Facility Id: 71003091				
Status: Inactive - Needs Evaluation				

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 are 3 CA SWF/LF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PALOMAR AVIATION FUE	***2198 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B15***	***80***
Database: SAN DIEGO CO. LF, Date of Government Version: 10/31/2015				

Facility Status: CLOSED SITES
Operational Status: CLOSED

PALOMAR TRANSFER STA ***5960 EL CAMINO REAL*** ***ENE 0 - 1/8 (0.036 mi.)*** ***D24*** ***177***
Database: SAN DIEGO CO. LF, Date of Government Version: 10/31/2015
Database: LOS ANGELES CO. LF, Date of Government Version: 04/18/2016
Database: SWF/LF (SWIS), Date of Government Version: 05/16/2016
Facility ID: 37-AA-0966
Facility ID: 37-AH-0001
Site ID: 2724
Status: Active
Operational Status: Active
Facility Status: ACTIVE SITES
Operational Status: ACTIVE
Regulation Status: Notification
Regulation Status: Permitted

PALOMAR AIRPORT SANI ***2016 PALOMAR AIRPORT*** ***SSW 1/8 - 1/4 (0.128 mi.)*** ***L52*** ***314***
Database: SWF/LF (SWIS), Date of Government Version: 05/16/2016
Facility ID: 37-AH-0002
Operational Status: Closed
Regulation Status: Unpermitted

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 17 CA SAN DIEGO CO. SAM sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIRTIME AVIATION	***2160 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***C8***	***15***
Case Number: H13982-001 Facility Status: Closed Case				
JET SOURCE, INC.	***2056 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***17***	***92***
Case Number: H20084-001 Case Number: H20084-002 Facility Status: Closed Case				
AIR RESORTS AIRLINES	***2188 PALOMAR AIRPORT***	***0 - 1/8 (0.001 mi.)***	***C19***	***140***
Case Number: H21741-001 Facility Status: Remedial Investigation				
PALOMAR FORUM	***3100 PALOMAR AIRPORT***	***ENE 1/4 - 1/2 (0.309 mi.)***	***78***	***428***
Case Number: H39612-001 Facility Status: Closed Case				
DANIELS CABLEVISION	***5720 EL CAMINO REAL***	***NNE 1/4 - 1/2 (0.449 mi.)***	***87***	***493***
Case Number: H06321-001 Case Number: H06321-002 Facility Status: Closed Case				

Lower Elevation	Address	Direction / Distance	Map ID	Page
PALOMAR AVIATION FUE	***2198 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B12***	***74***

Case Number: H20083-001 Facility Status: Closed Case				
WESTERN FLIGHT INC. Case Number: H13987-001 Case Number: H13987-002 Case Number: H13987-003 Facility Status: Closed Case Facility Status: Preliminary Assessment	***2210 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B13***	***74***
PALOMAR AVIATION FUE Case Number: H10424-001 Facility Status: Closed Case	***2198 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B15***	***80***
COAST WASTE MANAGEME Case Number: H10634-001 Facility Status: Closed Case	***5960 EL CAMINO REAL***	***ENE 0 - 1/8 (0.036 mi.)***	***D26***	***194***
JET SOURCE Case Number: H21758-001 Facility Status: Preliminary Assessment	***2036 PALOMAR AIRPORT***	***S 0 - 1/8 (0.096 mi.)***	***H39***	***246***
CAL BOND INC Case Number: H19041-001 Facility Status: Closed Case	***6110 YARROW DR***	***SE 0 - 1/8 (0.120 mi.)***	***J47***	***278***
AIR RESORTS AIRLINES Case Number: H13977-001 Case Number: H13977-002 Case Number: H13977-003 Case Number: H13977-004 Facility Status: Closed Case	***2016 PALOMAR AIRPORT***	***SSW 1/8 - 1/4 (0.128 mi.)***	***L53***	***326***
HUGHES-JVC TECHNOLOG Case Number: H09535-001 Case Number: H09535-002 Facility Status: Closed Case	***6155 EL CAMINO REAL***	***E 1/8 - 1/4 (0.186 mi.)***	***Q69***	***397***
ARCO Case Number: H32235-001 Facility Status: Remedial Action (Clean-Up)	1991 PALOMAR AIRPORT	SSW 1/8 - 1/4 (0.223 mi.)	S75	426
HAWTHORNE MACHINERY Case Number: H29250-001 Facility Status: Closed Case	***2065 CAMINO VIDA ROB***	***S 1/4 - 1/2 (0.374 mi.)***	***U81***	***483***
CARLSBAD RESEARCH CE Case Number: 29493-001 Facility Status: Closed Case	2210 FARADAY	N 1/4 - 1/2 (0.378 mi.)	84	489
PACIFIC RECORDERS & Case Number: H23257-001 Facility Status: Closed Case	***2080 LAS PALMAS DR***	***SSE 1/4 - 1/2 (0.429 mi.)***	***86***	***492***

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

A review of the CA LUST list, as provided by EDR, has revealed that there are 17 CA LUST sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIRTIME AVIATION	***2160 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***C8***	***15***
Database: LUST, Date of Government Version: 06/13/2016 Database: LUST REG 9, Date of Government Version: 03/01/2001 Status: Completed - Case Closed Closed Date: 12/1/00 Status: Case Closed Global Id: T0607300812 Case Number: 9UT2041				
JET SOURCE, INC.	***2056 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***17***	***92***
Database: LUST, Date of Government Version: 06/13/2016 Database: LUST REG 9, Date of Government Version: 03/01/2001 Status: Completed - Case Closed Closed Date: 12/16/86 Status: Case Closed Status: Preliminary site assessment workplan submitted Global Id: T0607302573 Case Number: 9UT110 Case Number: 9UT3811				
PRO TEC FIRE SERVICE	***2188 PALOMAR AIRPORT***	***0 - 1/8 (0.001 mi.)***	***C18***	***135***
Database: LUST, Date of Government Version: 06/13/2016 Database: LUST REG 9, Date of Government Version: 03/01/2001 Status: Completed - Case Closed Status: Preliminary site assessment underway Global Id: T0607302335 Case Number: 9UT3567				
DANIELS CABLEVISION	***5720 EL CAMINO REAL***	***NNE 1/4 - 1/2 (0.449 mi.)***	***87***	***493***
Database: LUST, Date of Government Version: 06/13/2016 Database: LUST REG 9, Date of Government Version: 03/01/2001 Status: Completed - Case Closed Closed Date: 5/15/95 Status: Case Closed Global Id: T0607302242 Case Number: 9UT3478				

Lower Elevation	Address	Direction / Distance	Map ID	Page
FLIGHT INTERNATIONAL	2210 PALOMAR AIRPORT	0 - 1/8 (0.000 mi.)	B3	9
Database: LUST REG 9, Date of Government Version: 03/01/2001 Status: Preliminary site assessment underway Case Number: 9UT846				
WESTERN FLIGHT INTL	***2210 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B10***	***20***
Database: LUST, Date of Government Version: 06/13/2016 Database: LUST REG 9, Date of Government Version: 03/01/2001 Status: Completed - Case Closed Status: Preliminary site assessment underway Global Id: T0607300994 Global Id: T0607303092 Case Number: 9UT2227				
AIR RESORTS AIRLINES	***2192 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B11***	***60***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Closed Date: 5/22/91				

Status: Case Closed
Case Number: 9UT1722

PALOMAR AIRPORT 2192 PALOMAR AIRPORT 0 - 1/8 (0.000 mi.) B16 91
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 7/16/96
Status: Case Closed
Case Number: 9UT1917

PALOMAR TRANSFER STA 5960 EL CAMINO REAL ENE 0 - 1/8 (0.036 mi.) D24 177
Database: LUST, Date of Government Version: 06/13/2016
Status: Completed - Case Closed
Global Id: T0607302662

COAST WASTE MANAGEME 5960 EL CAMINO REAL ENE 0 - 1/8 (0.036 mi.) D27 206
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 10/16/00
Status: Case Closed
Case Number: 9UT3902

JET SOURCE 2036 PALOMAR AIRPORT S 0 - 1/8 (0.096 mi.) H39 246
Database: LUST, Date of Government Version: 06/13/2016
Status: Completed - Case Closed
Global Id: T06019780052

PALOMAR AIRPORT SANI 2016 PALOMAR AIRPORT SSW 1/8 - 1/4 (0.128 mi.) L52 314
Database: LUST, Date of Government Version: 06/13/2016
Status: Completed - Case Closed
Global Id: T0607300696
Global Id: T0607300520

HUGHES-JVC TECHNOLOG 6155 EL CAMINO REAL E 1/8 - 1/4 (0.186 mi.) Q67 387
Database: LUST, Date of Government Version: 06/13/2016
Status: Completed - Case Closed
Global Id: T0607300929

HUGHES MICROELECTRON 6155 EL CAMINO REAL E 1/8 - 1/4 (0.186 mi.) Q68 390
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 11/20/87
Status: Case Closed
Case Number: 9UT216

ARCO #05792 1991 PALOMAR AIRPORT SSW 1/8 - 1/4 (0.223 mi.) S74 412
Database: LUST, Date of Government Version: 06/13/2016
Status: Open - Site Assessment
Global Id: T0607378792

HAWTHORNE MACHINERY 2065 CAMINO VIDA ROB S 1/4 - 1/2 (0.374 mi.) U82 485
Database: LUST, Date of Government Version: 06/13/2016
Status: Completed - Case Closed
Global Id: T0607399244

HAWTHORNE RENT IT SV 2065 CAMINO VIDA ROB S 1/4 - 1/2 (0.374 mi.) U83 486
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 7/6/00
Status: Case Closed
Case Number: 9UT4056

EXECUTIVE SUMMARY

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 9 CA SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JET SOURCE, INC.	***2056 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***17***	***92***
Database: SLIC, Date of Government Version: 06/13/2016 Facility Status: Completed - Case Closed Global Id: T0607300109				
PALOMAR FORUM	***3100 PALOMAR AIRPORT***	***ENE 1/4 - 1/2 (0.309 mi.)***	***78***	***428***
Database: SLIC, Date of Government Version: 06/13/2016 Facility Status: Completed - Case Closed Global Id: T0607313329				
DANIELS CABLEVISION	***5720 EL CAMINO REAL***	***NNE 1/4 - 1/2 (0.449 mi.)***	***87***	***493***
Database: SLIC, Date of Government Version: 06/13/2016 Facility Status: Completed - Case Closed Global Id: T0608178362				

Lower Elevation	Address	Direction / Distance	Map ID	Page
WESTERN FLIGHT INTL	***2210 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B10***	***20***
Database: SLIC, Date of Government Version: 06/13/2016 Facility Status: Completed - Case Closed Global Id: T0608173294				
PALOMAR AVIATION FUE	***2198 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B15***	***80***
Database: SLIC, Date of Government Version: 06/13/2016 Facility Status: Completed - Case Closed Global Id: T0608186714 Global Id: T0608183249				
CAL BOND INC	***6110 YARROW DR***	***SE 0 - 1/8 (0.120 mi.)***	***J47***	***278***
Database: SLIC, Date of Government Version: 06/13/2016 Facility Status: Completed - Case Closed Global Id: T0608154125				
PALOMAR AIRPORT SANI	***2016 PALOMAR AIRPORT***	***SSW 1/8 - 1/4 (0.128 mi.)***	***L52***	***314***
Database: SLIC, Date of Government Version: 06/13/2016 Facility Status: Completed - Case Closed Global Id: T0608146725 Global Id: T0608191338				
HUGHES-JVC TECHNOLOG	***6155 EL CAMINO REAL***	***E 1/8 - 1/4 (0.186 mi.)***	***Q67***	***387***
Database: SLIC, Date of Government Version: 06/13/2016 Facility Status: Completed - Case Closed Global Id: T0608194848				
PACIFIC RECORDERS &	***2080 LAS PALMAS DR***	***SSE 1/4 - 1/2 (0.429 mi.)***	***86***	***492***
Database: SLIC, Date of Government Version: 06/13/2016 Facility Status: Completed - Case Closed Global Id: T0608102522				

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 are 9 CA UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PALOMAR AIRPORT CENT Database: UST, Date of Government Version: 06/13/2016 Facility Id: H37275	2138 PALOMAR AIRPORT	0 - 1/8 (0.000 mi.)	C6	14
JET SOURCE, INC. Database: UST, Date of Government Version: 06/13/2016 Facility Id: H20084	***2056 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***17***	***92***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OCEAN AIR CHARTERS Database: UST, Date of Government Version: 06/13/2016 Facility Id: H29513	***2206 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B9***	***18***
PALOMAR AVIATION FUE Database: UST, Date of Government Version: 06/13/2016 Facility Id: H20083	***2198 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B12***	***74***
WESTERN FLIGHT INC. Database: UST, Date of Government Version: 06/13/2016 Facility Id: H13987	***2210 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B13***	***74***
COAST WASTE MANAGEME Database: UST, Date of Government Version: 06/13/2016 Facility Id: H10634	***5960 EL CAMINO REAL***	***ENE 0 - 1/8 (0.036 mi.)***	***D26***	***194***
CARLSBAD TECHNOLOGY Database: UST, Date of Government Version: 06/13/2016 Facility Id: H33902	***5923 BALFOUR CT***	***NNW 0 - 1/8 (0.095 mi.)***	***G37***	***232***
JET SOURCE, INC Database: UST, Date of Government Version: 06/13/2016 Facility Id: H21758	2036 PALOMAR AIRPORT	S 0 - 1/8 (0.096 mi.)	H40	250
AM/PM MKT/ARCO #5792 Database: UST, Date of Government Version: 06/13/2016 Facility Id: H32235	1991 PALOMAR AIRPORT	SSW 1/8 - 1/4 (0.223 mi.)	S77	428

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 08/01/2009 has revealed that there are 3 CA AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALLAWAY GOLF COMPAN	***2285 RUTHERFORD ROAD***	***NE 0 - 1/8 (0.120 mi.)***	***49***	***280***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CIVIC HELICOPTERS, I	***2206 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B14***	***75***

Lower Elevation	Address	Direction / Distance	Map ID	Page
COAST WASTE MANAGEME	***5960 EL CAMINO REAL***	***ENE 0 - 1/8 (0.036 mi.)***	***D26***	***194***

ADDITIONAL ENVIRONMENTAL RECORDS

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 are 2 CA WMUDS/SWAT sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PALOMAR AIRPORT SAN	PALOMAR AIRPORT RD	0 - 1/8 (0.000 mi.)	A1	8

Lower Elevation	Address	Direction / Distance	Map ID	Page
MAY BE PALOMAR AIRPO	PALOMAR AIRPORT RD &	E 0 - 1/8 (0.105 mi.)	43	265

CA SWRCY: A listing of recycling facilities in California.

A review of the CA SWRCY list, as provided by EDR, and dated 06/13/2016 has revealed that there is 1 CA SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PALOMAR TRANSFER STA Cert Id: RC2760	***5960 EL CAMINO REAL***	***ENE 0 - 1/8 (0.036 mi.)***	***D24***	***177***

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 9 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALADDIN AVIATION INC Status: A Comp Number: 13982	***2148 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***C5***	***11***
JET SOURCE, INC. Status: A Tank Status: A	***2056 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***17***	***92***

Comp Number: 20084

Lower Elevation	Address	Direction / Distance	Map ID	Page
PALOMAR AVIATION FUE Comp Number: 20083	2198 PALOMAR AIRPORT	0 - 1/8 (0.000 mi.)	B4	10
OCEAN AIR CHARTERS Status: A Tank Status: A Comp Number: 29513	***2206 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B9***	***18***
WESTERN FLIGHT INTL Status: A Tank Status: A Comp Number: 13987	***2210 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B10***	***20***
AIR RESORTS AIRLINES Status: A Comp Number: 13977	***2192 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B11***	***60***
CARLSBAD MUNICIPAL W Status: A Comp Number: 3278	***5950 EL CAMINO REAL***	***ENE 0 - 1/8 (0.024 mi.)***	***D21***	***141***
COAST WASTE MANAGEME Status: A Tank Status: A Comp Number: 10634	***5960 EL CAMINO REAL***	***ENE 0 - 1/8 (0.036 mi.)***	***D26***	***194***
HUGHES MICROELECTRON Status: A Tank Status: A Comp Number: 9535	***6155 EL CAMINO REAL***	***E 1/8 - 1/4 (0.186 mi.)***	***Q68***	***390***

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OASIS PETROLEUM Facility Id: 00000063373	2166 PALOMAR AIRPORT	0 - 1/8 (0.000 mi.)	C7	14

Lower Elevation	Address	Direction / Distance	Map ID	Page
WESTERN FLIGHT INTL	***2210 PALOMAR AIRPORT***	***0 - 1/8 (0.000 mi.)***	***B10***	***20***
COSTA REAL MUNICIPAL Facility Id: 00000038781	***5950 EL CAMINO REAL***	***ENE 0 - 1/8 (0.024 mi.)***	***D22***	***146***
HUGHES-JVC TECHNOLOG Facility Id: 00000015495	***6155 EL CAMINO REAL***	***E 1/8 - 1/4 (0.186 mi.)***	***Q67***	***387***

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/21/2016 has revealed that there are 7 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GREENFIELD ENVIRONME	*5964 LAPLACE CT STE*	*NE 0 - 1/8 (0.114 mi.)*	*I45*	*270*

Lower Elevation	Address	Direction / Distance	Map ID	Page
COAST WASTE MANAGEME	*5960 EL CAMINO REAL*	*ENE 0 - 1/8 (0.036 mi.)*	*D25*	*192*
EAGLE ONE	*5927 LANDAU CT*	*NNE 0 - 1/8 (0.088 mi.)*	*F35*	*225*
HUGHES HELICOPTERS	*2006 PALOMAR AIRPORT*	*SSW 1/8 - 1/4 (0.148 mi.)*	*L58*	*354*
SIERRACIN MAGNEDYNE	*2258 RUTHERFORD RD*	*NNE 1/8 - 1/4 (0.160 mi.)*	*O60*	*357*
ELECTRO SURFACE TECH	*5925 PRIESTLY DR*	*NNE 1/8 - 1/4 (0.210 mi.)*	*71*	*406*
INDUSTRIAL RECOVERY	*2075 CORTE DEL NOGAL*	*SSE 1/8 - 1/4 (0.211 mi.)*	*R72*	*408*

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 are 9 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIRTIME AVIATION Reg Id: 9UT2041	*2160 PALOMAR AIRPORT*	*0 - 1/8 (0.000 mi.)*	*C8*	*15*
JET SOURCE, INC. Reg Id: 9UT110 Reg Id: 9UT3811	*2056 PALOMAR AIRPORT*	*0 - 1/8 (0.000 mi.)*	*17*	*92*
PRO TEC FIRE SERVICE Reg Id: 9UT3567	*2188 PALOMAR AIRPORT*	*0 - 1/8 (0.001 mi.)*	*C18*	*135*
DANIELS CABLEVISION Reg Id: 9UT3478	*5720 EL CAMINO REAL*	*NNE 1/4 - 1/2 (0.449 mi.)*	*87*	*493*

Lower Elevation	Address	Direction / Distance	Map ID	Page
WESTERN FLIGHT INTL Reg Id: 9UT2227 Reg Id: 9UT846	*2210 PALOMAR AIRPORT*	*0 - 1/8 (0.000 mi.)*	*B10*	*20*
AIR RESORTS AIRLINES Reg Id: 9UT1917 Reg Id: 9UT1722	*2192 PALOMAR AIRPORT*	*0 - 1/8 (0.000 mi.)*	*B11*	*60*
COAST WASTE MANAGEME Reg Id: 9UT3902	*5960 EL CAMINO REAL*	*ENE 0 - 1/8 (0.036 mi.)*	*D27*	*206*
HUGHES-JVC TECHNOLOG	*6155 EL CAMINO REAL*	*E 1/8 - 1/4 (0.186 mi.)*	*Q69*	*397*

Reg Id: 9UT216

FACILITY 13600 TANK	***6350 YARROW***	***SSE 1/4 - 1/2 (0.392 mi.)***	***85***	***489***

Reg Id: 2749

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 05/23/2016 has revealed that there is 1 CA HWP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUGHES MICROELECTRON	***6155 EL CAMINO REAL***	***E 1/8 - 1/4 (0.186 mi.)***	***Q68***	***390***

EPA Id: CAD084239987
Cleanup Status: KNOWN GENERATORS

TX Ind. Haz Waste: The Industrial and Hazardous Waste Database contains summary reports by waste handlers, generators and shippers in Texas.

A review of the TX Ind. Haz Waste list, as provided by EDR, and dated 03/01/2016 has revealed that there is 1 TX Ind. Haz Waste site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
INDUSTRIAL RECOVERY	2075 CORTE DEL NOGAL	SSE 1/8 - 1/4 (0.211 mi.)	R73	410

Registration Number: 41674

WI MANIFEST: Hazardous waste manifest information.

A review of the WI MANIFEST list, as provided by EDR, and dated 12/31/2015 has revealed that there is 1 WI MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HOME DEPOT USA #3027	***4030 HWY 54***	***WNW 1/8 - 1/4 (0.176 mi.)***	***P65***	***379***

ACT Status: A
FID: 0
EPA ID: MOR000516351

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2013 has revealed that there is 1 NJ MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HOME DEPOT 4285	1905 ASTON AVE	WNW 1/8 - 1/4 (0.176 mi.)	P64	378

EPA Id: RIR000503953

CA MWMP: 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.

A review of the CA MWMP list, as provided by EDR, and dated 05/25/2016 has revealed that there is 1 CA MWMP site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WCM WASTE & COMPLIAN Registration Number: TS-68	***6054 CORTE DEL CEDRO***	***ESE 1/8 - 1/4 (0.131 mi.)***	***M54***	***327***

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

A review of the CA Notify 65 list, as provided by EDR, and dated 09/10/2015 has revealed that there is 1 CA Notify 65 site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OCEAN AIR FLIGHT SER	PALOMAR AIRPORT	0 - 1/8 (0.000 mi.)	A2	9

FUELS PROGRAM: 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.

A review of the FUELS PROGRAM list, as provided by EDR, and dated 05/24/2016 has revealed that there is 1 FUELS PROGRAM site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE SOCO GROUP, INC.	5962 PRIESTLY DRIVE	NE 1/8 - 1/4 (0.176 mi.)	63	378

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: 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.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2121 PALOMAR AIRPOR	SE 0 - 1/8 (0.055 mi.)	30	213

EXECUTIVE SUMMARY

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

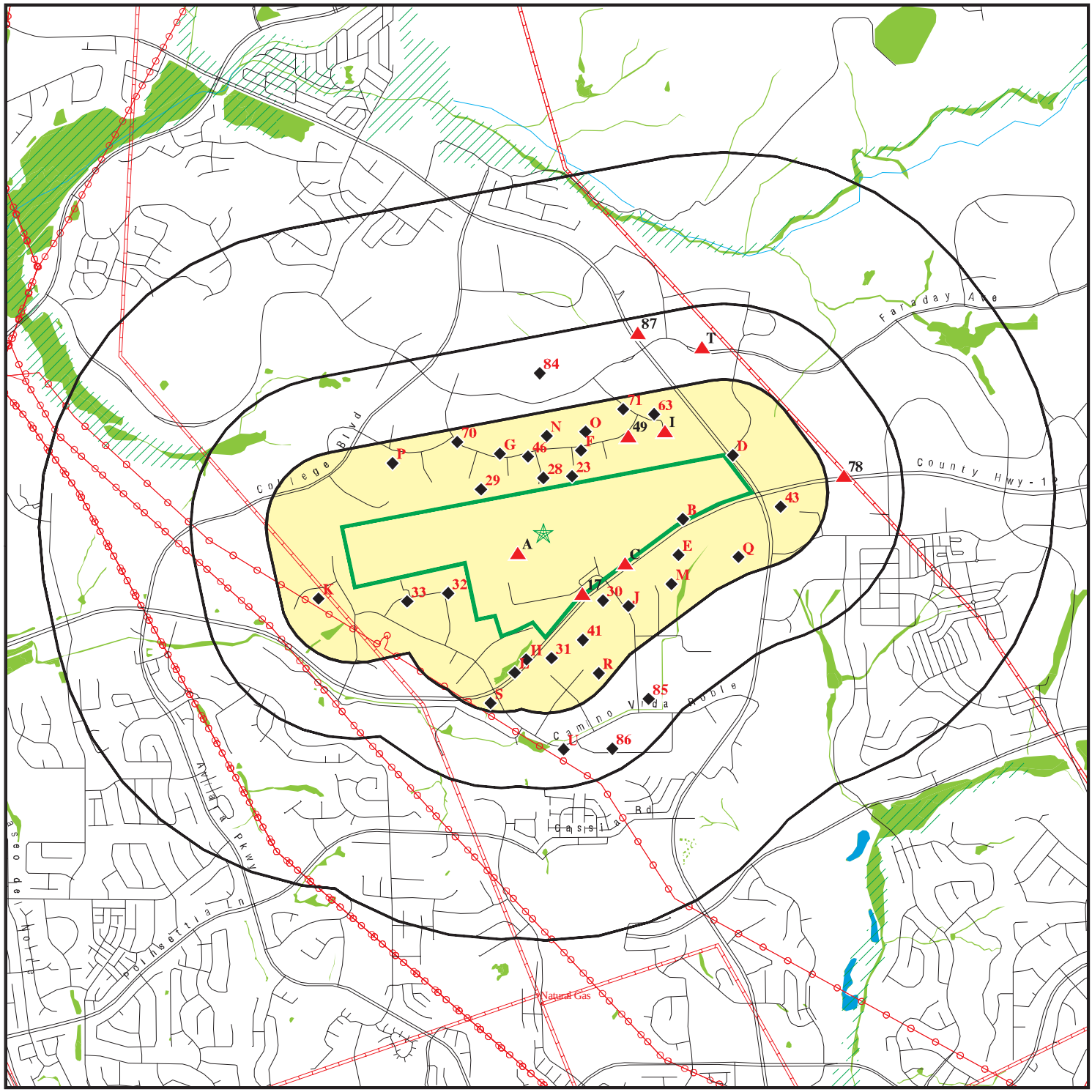
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2199 PALOMAR AIRPOR	SE 0 - 1/8 (0.020 mi.)	C20	141

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 14 records.

Site Name	Database(s)
PALOMAR AIRPORT CTR	CA NPDES
PALOMAR AIRPORT ROAD WIDENING	CA NPDES
NORTH COASTAL PALOMAR AIRPORT LAND	CA NPDES
PALOMAR AIRPORT CENTER	CA HAZNET
RUEBEN LOPEZ	CA San Diego Co. HMMD
TOM LOPEZ JR	CA San Diego Co. HMMD
EMERALD RIDGE WEST-MAR VISTA	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co. HMMD
LESLIE FARMS INC	CA San Diego Co. HMMD
RUEBEN LOPEZ	CA San Diego Co. HMMD
EMERALD RIDGE EAST	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co. HMMD
CARLSBAD RANCH UNIT 1 CT94-09	CA San Diego Co. HMMD
ROBERTSON RANCH - PARCEL 1	CA ENVIROSTOR
ROBERTSON RANCH - PARCEL 1	CA SAN DIEGO CO. SAM
NORTH COASTAL SLF/PALOMAR AIRPORT	CA RGA LF

OVERVIEW MAP - 4724566.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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

SITE NAME: McClellan-Palomar Airport ADDRESS: 2501 PALOMAR AIRPORT RD Carlsbad CA 92008 LAT/LONG: 33.127667 / 117.279004	CLIENT: Ninyo & Moore CONTACT: Brianne Cortright INQUIRY #: 4724566.2s DATE: September 12, 2016 2:45 pm

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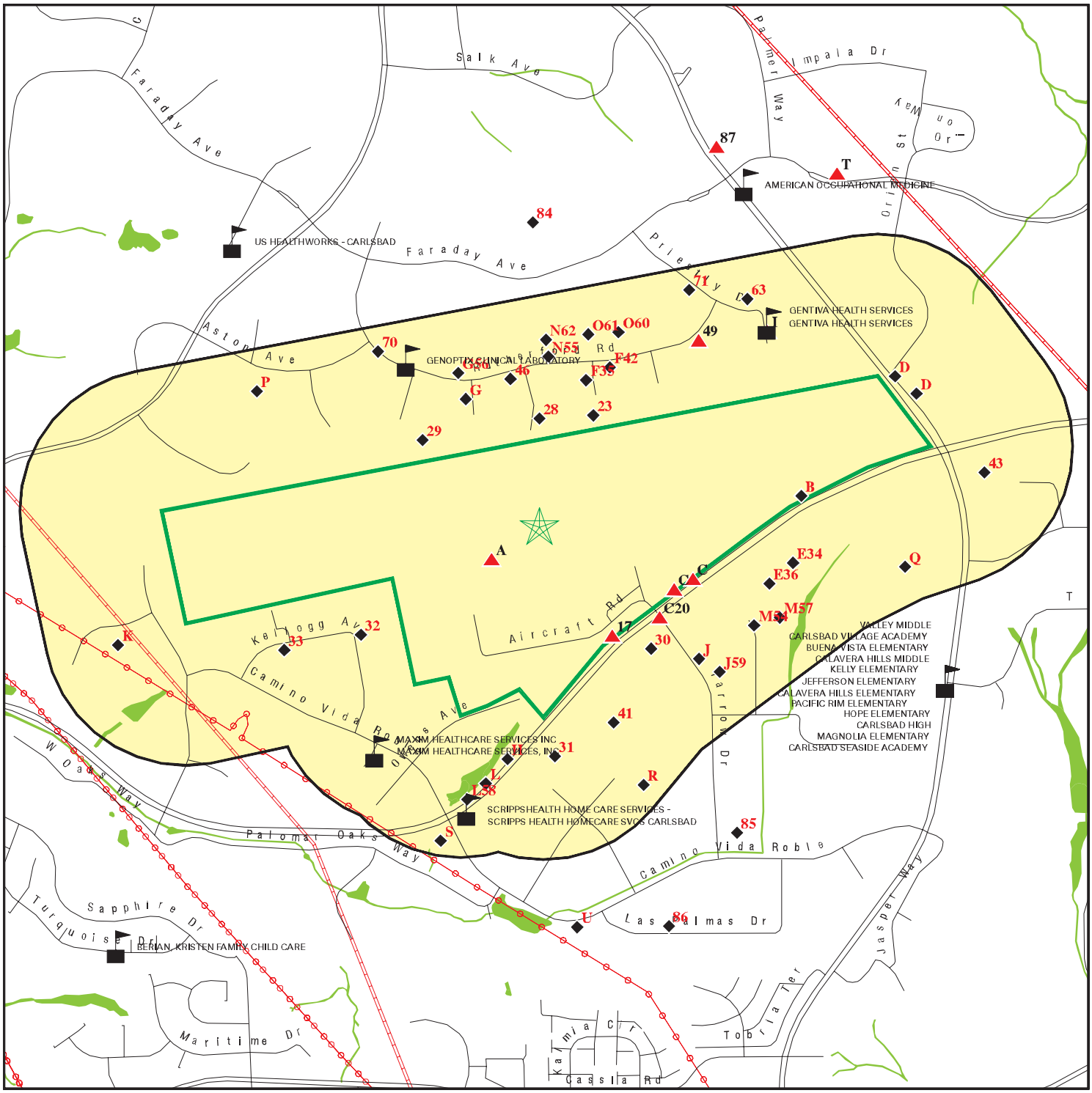
DETAIL MAP - 4724566.2S



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 1/8 1/4 1/2 Miles

Indian Reservations BIA
Power transmission lines
Pipelines
100-year flood zone
500-year flood zone
National Wetland Inventory
State Wetlands

Areas of Concern

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

SITE NAME:	McClellan-Palomar Airport	CLIENT:	Ninyo & Moore
ADDRESS:	2501 PALOMAR AIRPORT RD Carlsbad CA 92008	CONTACT:	Brianne Cortright
LAT/LONG:	33.127667 / 117.279004	INQUIRY #:	4724566.2s
		DATE:	September 12, 2016 2:49 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
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	0	NR	0
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		5	2	NR	NR	NR	7
RCRA-SQG	0.250		14	9	NR	NR	NR	23
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		1	0	1	0	NR	2
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.500		2	1	0	NR	NR	3
State and tribal leaking storage tank lists								
CA SAN DIEGO CO. SAM	0.500		9	3	5	NR	NR	17

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		10	4	3	NR	NR	17
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA SLIC	0.500		4	2	3	NR	NR	9
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		8	1	NR	NR	NR	9
CA AST	0.250		3	0	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	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		2	0	0	NR	NR	2
CA SWRCY	0.500		1	0	0	NR	NR	1
CA HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
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		8	1	NR	NR	NR	9
CA HIST UST	0.250		3	1	NR	NR	NR	4
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
CA DEED	0.500		0	0	0	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
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		3	4	NR	NR	NR	7
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
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CA Cortese	0.500		0	0	0	NR	NR	0
CA CUPA Listings	0.250		0	0	NR	NR	NR	0
CA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
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

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 HIST CORTESE	0.500		6	1	2	NR	NR	9
CA HWP	1.000		0	1	0	0	NR	1
CA HWT	0.250		0	0	NR	NR	NR	0
TX Ind. Haz Waste	0.250		0	1	NR	NR	NR	1
WI MANIFEST	0.250		0	1	NR	NR	NR	1
NJ MANIFEST	0.250		0	1	NR	NR	NR	1
CA MINES	TP		NR	NR	NR	NR	NR	0
CA MWMP	0.250		0	1	NR	NR	NR	1
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		1	0	0	0	NR	1
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
CA ICE	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	1	NR	NR	NR	1
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
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	82	36	15	0	0	133

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **PALOMAR AIRPORT SAN LANDFILL** **CA WMUDS/SWAT** **S101612645**
PALOMAR AIRPORT RD **N/A**
< 1/8 **CARLSBAD CA, CA 92008**
1 ft.

Site 1 of 2 in cluster A

Relative:
Higher

Actual:
316 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	SLDWST
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
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:	County
Agency Name:	SAN DIEGO CO, DPW IWSM
Agency Department:	DEPARTMENT OF PUBLIC WORKS
Agency Address:	5555 OVERLAND AVE, BLDG 2
Agency City,St,Zip:	SAN DIEGO CA 921231295
Agency Contact:	JON ROLLIN
Agency Telephone:	6196942231
Land Owner Name:	SAN DIEGO, COUNTY OF
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	9
Facility Type:	Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	4953
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	SAN DIEGO, COUNTY OF
Threat to Water Quality:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation,

PALOMAR AIRPORT SAN LANDFILL (Continued) **S101612645**

result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.

Sub Chapter 15: True
Regional Board Project Officer: CAT
Number of WMUDS at Facility: 1
Section Range: Not reported
RCRA Facility: No
Waste Discharge Requirements: A
Self-Monitoring Rept. Frequency: Semiannual Submittal
Waste Discharge System ID: 9 000000362
Solid Waste Information ID: Not reported

A2 **OCEAN AIR FLIGHT SERVICES** **CA Notify 65** **S100178988**
PALOMAR AIRPORT **N/A**
< 1/8 **CARLSBAD, CA**
1 ft.

Site 2 of 2 in cluster A

Relative: Higher

Actual: 316 ft.

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

B3 **FLIGHT INTERNATIONAL** **CA LUST** **1000234976**
2210 PALOMAR AIRPORT RD **N/A**
< 1/8 **CARLSBAD, CA 92008**
1 ft.

Site 1 of 10 in cluster B

Relative: Lower

Actual: 285 ft.

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT846
Local Case: H13987-001
Substance: Premium Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Inventory Control
How Stopped: Remove Contents
Source: Tank
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 12/07/1987
Date Stopped: 12/08/1987
Confirm Date: 11/30/1987
Submit Workplan: Not reported
Prelim Assess: 12/07/1987
Desc Pollution: Not reported
Remed Plan: / /

FLIGHT INTERNATIONAL (Continued) **1000234976**

Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/07/1987
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.40
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

B4 **PALOMAR AVIATION FUELS INC** **CA SWEEPS UST** **S106930461**
2198 PALOMAR AIRPORT RD C **N/A**
< 1/8 **CARLSBAD, CA 92008**
1 ft.

Site 2 of 10 in cluster B

Relative:
Lower

Actual:
285 ft.

SWEEPS UST:
Status: Not reported
Comp Number: 20083
Number: Not reported
Board Of Equalization: 44-022036
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020083-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: JET FUEL
Number Of Tanks: 3

Status: Not reported
Comp Number: 20083
Number: Not reported
Board Of Equalization: 44-022036
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020083-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: AVIA. GAS
Number Of Tanks: Not reported

PALOMAR AVIATION FUELS INC (Continued) **S106930461**

Status:	Not reported
Comp Number:	20083
Number:	Not reported
Board Of Equalization:	44-022036
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020083-000003
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	AVIA. GAS
Number Of Tanks:	Not reported

C5 **ALADDIN AVIATION INC** **CA SWEEPS UST S106397517**
2148 PALOMAR AIRPORT RD **CA CHMIRS N/A**
< 1/8 **CARLSBAD, CA 92008**
1 ft.

Site 1 of 7 in cluster C

Relative: Higher

Actual: 325 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	13982
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013982-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	JET FUEL
Number Of Tanks:	3

Status:	Not reported
Comp Number:	13982
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013982-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	AVIA. GAS
Number Of Tanks:	Not reported

ALADDIN AVIATION INC (Continued) **S106397517**

Status:	Not reported
Comp Number:	13982
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013982-000003
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	AVIA. GAS
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	13982
Number:	9
Board Of Equalization:	Not reported
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

CHMIRS:

OES Incident Number:	3-0982
OES notification:	02/20/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

ALADDIN AVIATION INC (Continued) **S106397517**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Pacific Ocean
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Carlsbad Air Services
Incident Date:	1/20/200312:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Airport
E Date:	Not reported
Substance:	Human Ashes
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Company is dispersing ashes of cremated persons from aircraft over coastline ashes blow back into shore. Caller is worried that possible chemicals could be dispersed with ashes. Note: Dispersal is sporadic

C6 **PALOMAR AIRPORT CENTER** **CA UST** **U003789991**
2138 PALOMAR AIRPORT RD **N/A**
< 1/8 **CARLSBAD, CA 92011**
1 ft.

Site 2 of 7 in cluster C

Relative:
Higher

Actual:
323 ft.

UST:
Facility ID: H37275
Permitting Agency: SAN DIEGO COUNTY
Latitude: 33.12571
Longitude: -117.27513

C7 **OASIS PETROLEUM** **CA HIST UST** **U001570992**
2166 PALOMAR AIRPORT RD **N/A**
< 1/8 **CARLSBAD, CA 92008**
1 ft.

Site 3 of 7 in cluster C

Relative:
Higher

Actual:
324 ft.

HIST UST:
File Number: 0002F0DD
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F0DD.pdf
Region: STATE
Facility ID: 00000063373
Facility Type: Other
Other Type: AVIATION FACILITY
Contact Name: MICHAEL E. MOORE
Telephone: 6194389377
Owner Name: OASIS PETROLEUM
Owner Address: 5901 GREEN VALLEY CIRCLE
Owner City,St,Zip: CULVER CITY, CA 90230
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: 1960
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 1/4
Leak Detection: Vapor Sniff Well, Pressure Test

Tank Num: 002
Container Num: 2
Year Installed: 1960
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Vapor Sniff Well, Pressure Test

Tank Num: 003
Container Num: 3
Year Installed: 1973
Tank Capacity: 00010300
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Vapor Sniff Well, Pressure Test

OASIS PETROLEUM (Continued) **U001570992**

Click here for Geo Tracker PDF:

C8 **AIRTIME AVIATION** **CA LUST** **S101301452**
2160 PALOMAR AIRPORT RD **CA SAN DIEGO CO. SAM** **N/A**
< 1/8 **CARLSBAD, CA 92008** **CA San Diego Co. HMMD**
1 ft. **CA HIST CORTESE**

Site 4 of 7 in cluster C

Relative: Higher

Actual: 325 ft.

LUST:

Region:	STATE
Global Id:	T0607300812
Latitude:	33.1253397
Longitude:	-117.2753687
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/01/2000
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2041
LOC Case Number:	H13982-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

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

Status History:

Global Id:	T0607300812
Status:	Completed - Case Closed
Status Date:	12/01/2000
Global Id:	T0607300812
Status:	Open - Case Begin Date
Status Date:	07/08/1991

Regulatory Activities:

Global Id:	T0607300812
Action Type:	Other
Date:	07/08/1991
Action:	Leak Began
Global Id:	T0607300812
Action Type:	Other
Date:	07/08/1991
Action:	Leak Discovery
Global Id:	T0607300812
Action Type:	Other
Date:	07/08/1991
Action:	Leak Reported
Global Id:	T0607300812
Action Type:	ENFORCEMENT
Date:	08/20/1991
Action:	Notice of Responsibility

AIRTIME AVIATION (Continued) **S101301452**

Global Id: T0607300812
Action Type: Other
Date: 07/08/1991
Action: Leak Stopped

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2041
Local Case: H13982-001
Substance: Premium Gasoline
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 07/08/1991
Date Stopped: 07/08/1991
Confirm Date: 08/12/1991
Submit Workplan: Not reported
Prelim Assess: 08/13/1991
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 07/08/1991
Enforce Date: Not reported
Closed Date: 12/1/00
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.40
GW Depth: >14
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
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: H13982-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 12/1/2000
Date Began: 7/8/1991

AIRTIME AVIATION (Continued) **S101301452**

SAN DIEGO CO. HMMD:

Facility Id:	113982
Business Type:	Not reported
EPA Id Number:	CAL000073689
APN:	213-020-18-00
Last HMMD Inspection:	07/13/2000
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	JEFFREY L ALBRECHT
Facility Address:	2160 PALOMAR AIRPORT RD
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92008-4814
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

UST:

UST Name:	UNDERGROUND TANK 113982 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113982
Tank Type:	SINGLE WALL
Additional Id:	AT2322
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	INVALID CODE
Reg Status:	REMOVED
Remove Close Date:	1991-09-07 00:00:00
Year Installed:	1975-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 113982 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113982
Tank Type:	SINGLE WALL
Additional Id:	AT2322
Capacity Gallons:	10000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	1991-09-07 00:00:00
Year Installed:	1975-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 113982 T003

AIRTIME AVIATION (Continued) **S101301452**

Last Update:	2012-11-02 14:17:38
Permit Number:	113982
Tank Type:	SINGLE WALL
Additional Id:	AT2322
Capacity Gallons:	10000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	1991-09-07 00:00:00
Year Installed:	1975-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2041

B9 **OCEAN AIR CHARTERS** **CA UST** **U003789884**
2206 PALOMAR AIRPORT RD **CA San Diego Co. HMMD** **N/A**
< 1/8 **CARLSBAD, CA 92011** **CA SWEEPS UST**
1 ft.

Site 3 of 10 in cluster B

Relative: Lower

Actual: 285 ft.

UST:

Facility ID:	H29513
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	33.12676
Longitude:	-117.27347

SAN DIEGO CO. HMMD:

Facility Id:	202924
Business Type:	6HK26
EPA Id Number:	CAL000236185
APN:	213-020-18-00
Last HMMD Inspection:	07/28/2005
Permit Status:	CHNG
Permit Expiration:	05/31/2007
Facility Owner:	ROGER SMITH
Facility Address:	2206 PALOMAR AIRPORT RD #B-1
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92008
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

Facility Id:	129513

OCEAN AIR CHARTERS (Continued) **U003789884**

Business Type:	6HK29
EPA Id Number:	CAL000239831
APN:	213-020-18-00
Last HMMD Inspection:	06/22/2005
Permit Status:	CHNG
Permit Expiration:	02/28/2007
Facility Owner:	Not reported
Facility Address:	2206 PALOMAR AIRPORT RD A1
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92008-4860
UST Owner:	OCEAN AIR CHARTER
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 129513 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	129513
Tank Type:	DOUBLE WALL
Additional Id:	1 JP4 JET FUEL/RT2663
Capacity Gallons:	12000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

SWEEPS UST:

Status:	Active
Comp Number:	29513
Number:	9
Board Of Equalization:	44-023793
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-029513-000001
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	JET FUEL
Number Of Tanks:	1

B10 **WESTERN FLIGHT INTL INC** **CA LUST** **S101301454**
2210 PALOMAR AIRPORT RD **CA SLIC** **N/A**
< 1/8 **CARLSBAD, CA 92008** **CA San Diego Co. HMMD**
1 ft. **CA SWEEPS UST**
Site 4 of 10 in cluster B **CA HIST UST**
CA CHMIRS
Relative: **CA HAZNET**
Lower **CA HIST CORTESE**

Actual: **285 ft.**

LUST:

Region:	STATE
Global Id:	T0607300994
Latitude:	33.1277581897602
Longitude:	-117.27313041687
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/23/2012
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	SM
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT2227
LOC Case Number:	H13987-003
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Aviation
Site History:	There are three USTs at the site; one 12,000-gallon and two 20,000-gallon USTs containing Jet A fuel. In December 1987 one of the 12,000-gallon USTs was punctured and released AVgas into the soil and surrounding groundwater. Then in February 1992, the 20,000-gallon UST was punctured once again contaminating the site. For further information see the Workplan For Site Assessment Activities dated May 11, 2006 under the Site Documents tab.

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

Contact:

Global Id:	T0607300994
Contact Type:	Local Agency Caseworker
Contact Name:	JAMES CLAY
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	james.clay@sdcounty.ca.gov
Phone Number:	Not reported

Global Id:	T0607300994
Contact Type:	Regional Board Caseworker
Contact Name:	SEAN MCCLAIN
Organization Name:	SAN DIEGO RWQCB (REGION 9)
Address:	2375 NORTHSIDE DRIVE, SUITE 100
City:	SAN DIEGO
Email:	sean.mcclain@waterboards.ca.gov
Phone Number:	6195213374

Status History:

Global Id:	T0607300994
Status:	Completed - Case Closed
Status Date:	03/23/2012

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Global Id: T0607300994
Status: Open - Case Begin Date
Status Date: 02/24/1992

Global Id: T0607300994
Status: Open - Site Assessment
Status Date: 02/27/1992

Global Id: T0607300994
Status: Open - Site Assessment
Status Date: 05/11/2006

Global Id: T0607300994
Status: Open - Site Assessment
Status Date: 12/21/2006

Global Id: T0607300994
Status: Open - Site Assessment
Status Date: 01/18/2008

Regulatory Activities:

Global Id: T0607300994
Action Type: Other
Date: 02/24/1992
Action: Leak Began

Global Id: T0607300994
Action Type: ENFORCEMENT
Date: 02/11/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300994
Action Type: ENFORCEMENT
Date: 02/10/2012
Action: Notification - Public Notice of Case Closure

Global Id: T0607300994
Action Type: ENFORCEMENT
Date: 12/13/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300994
Action Type: ENFORCEMENT
Date: 02/10/2012
Action: Notification - Fee Title Owners Notice

Global Id: T0607300994
Action Type: ENFORCEMENT
Date: 03/22/2012
Action: Closure/No Further Action Letter

Global Id: T0607300994
Action Type: ENFORCEMENT
Date: 03/12/2009
Action: Site Visit / Inspection / Sampling

Global Id: T0607300994

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Action Type: ENFORCEMENT
Date: 03/14/2007
Action: File review

Global Id: T0607300994
Action Type: Other
Date: 02/24/1992
Action: Leak Discovery

Global Id: T0607300994
Action Type: RESPONSE
Date: 01/18/2008
Action: Preliminary Site Assessment Report

Global Id: T0607300994
Action Type: ENFORCEMENT
Date: 01/18/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300994
Action Type: Other
Date: 02/26/1992
Action: Leak Reported

Global Id: T0607300994
Action Type: ENFORCEMENT
Date: 03/12/1992
Action: Notice of Responsibility

Global Id: T0607300994
Action Type: ENFORCEMENT
Date: 03/08/2007
Action: Referral to Regional Board

Global Id: T0607300994
Action Type: RESPONSE
Date: 05/11/2006
Action: Soil and Water Investigation Workplan

Global Id: T0607300994
Action Type: Other
Date: 02/26/1992
Action: Leak Stopped

Global Id: T0607300994
Action Type: ENFORCEMENT
Date: 02/15/2010
Action: Meeting

Region: STATE
Global Id: T0607303092
Latitude: 33.1257193
Longitude: -117.2752629
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/31/2007

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	SM
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT846
LOC Case Number:	H13987-001
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

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

Contact:

Global Id:	T0607303092
Contact Type:	Local Agency Caseworker
Contact Name:	JAMES CLAY
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	james.clay@sdcounty.ca.gov
Phone Number:	Not reported

Global Id:	T0607303092
Contact Type:	Regional Board Caseworker
Contact Name:	SEAN MCCLAIN
Organization Name:	SAN DIEGO RWQCB (REGION 9)
Address:	2375 NORTHSIDE DRIVE, SUITE 100
City:	SAN DIEGO
Email:	sean.mcclain@waterboards.ca.gov
Phone Number:	6195213374

Status History:

Global Id:	T0607303092
Status:	Completed - Case Closed
Status Date:	05/31/2007

Global Id:	T0607303092
Status:	Completed - Case Closed
Status Date:	05/31/2007

Global Id:	T0607303092
Status:	Open - Case Begin Date
Status Date:	11/30/1987

Global Id:	T0607303092
Status:	Open - Referred
Status Date:	05/30/2007

Regulatory Activities:

Global Id:	T0607303092
Action Type:	Other
Date:	12/07/1987
Action:	Leak Began

Global Id:	T0607303092
Action Type:	ENFORCEMENT
Date:	03/08/2007

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Action: Referral to Regional Board

Global Id: T0607303092
Action Type: Other
Date: 12/07/1987
Action: Leak Discovery

Global Id: T0607303092
Action Type: Other
Date: 11/30/1987
Action: Leak Reported

Global Id: T0607303092
Action Type: ENFORCEMENT
Date: 12/07/1987
Action: Notice of Responsibility

Global Id: T0607303092
Action Type: Other
Date: 11/30/1987
Action: Leak Stopped

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2227
Local Case: H13987-003
Substance: Jet Fuel
Qty Leaked: 600
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 02/26/1992
Date Stopped: 02/26/1992
Confirm Date: 02/26/1992
Submit Workplan: Not reported
Prelim Assess: 02/26/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 02/26/1992
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.40
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B

WESTERN FLIGHT INTL INC (Continued) **S101301454**

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

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/03/1991
Global Id:	T0608173294
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H13987-002
Latitude:	33.126516
Longitude:	-117.273816
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

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

SAN DIEGO CO. HMMD:

Facility Id:	209011
Business Type:	6HK23
EPA Id Number:	CAL000333280
APN:	213-020-18-00
Last HMMD Inspection:	07/28/2013
Permit Status:	SUSP
Permit Expiration:	01/31/2013
Facility Owner:	WESTERN FLIGHT SERVICES LLC
Facility Address:	2056 PALOMAR AIRPORT RD
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92011
UST Owner:	PALOMAR FUEL SERVICES, LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113987 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	209011
Tank Type:	SINGLE WALL
Additional Id:	1 JP4 JET FUEL, RT3594
Capacity Gallons:	20000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Year Installed: 1982-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 11A
UST Monitor Method: SW TANK ANNUALLY

UST Name: UNDERGROUND TANK 113987 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 209011
Tank Type: SINGLE WALL
Additional Id: 2 JP4 JET FUEL, RT3594
Capacity Gallons: 20000
UST Contents: JET FUEL
Other Content Info: JET FUEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 11A
UST Monitor Method: DW

UST Name: UNDERGROUND TANK 113987 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 209011
Tank Type: SINGLE WALL
Additional Id: 3 AVIATION FUEL, RT3594
Capacity Gallons: 12000
UST Contents: AVIATION FUEL
Other Content Info: AVIATION FUEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 11A
UST Monitor Method: DW

Active Permits:
Facility Id: 209011
Update Date: 11/02/2012
Case Number: 107-21-1
Name: FUEL ADDITIVE W/ DIETHYLENE GLYCOL MONOETHYL ETHER
Other Information: DE-ICER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 209011
Update Date: 11/02/2012
Case Number: MIXTURE
Name: JET FUEL
Other Information: JET FUEL-2-5000 TRUCKS
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Facility Id:	209011
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	JET A/ RV. FUEL FILTER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	209011
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	WASTE OILY ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	209011
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	AV GAS
Other Information:	AV GAS: 1-1000 GAL TRUCK
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	209011
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	AVIATION FUEL
Other Information:	UNDERGROUND TANK 113987 T003 AVIATION FUEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	209011
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	OILY WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	209011
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	JP4 JET FUEL
Other Information:	UNDERGROUND TANK 113987 T001 JP4 JET FUEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	209011
Update Date:	11/02/2012
Case Number:	68476-34-6

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Name: JP4 JET FUEL
Other Information: UNDERGROUND TANK 113987 T002 JP4 JET FUEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 07/28/2013
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 07/28/2013
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 07/28/2013
Violation Code: 6HV0234
Violation: FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET
Violation Citation: All permit operating conditions not met. 25284; 2712
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/08/2010
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
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:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
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:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV3191
Violation:	NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation:	Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
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:	SUSP
Facility Id:	209011

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Update Date:	11/02/2012
Inspection Date:	07/08/2010
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3110
Violation:	NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation:	Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Inspection Date:	07/28/2013
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/08/2010
Violation Code:	6HV1005
Violation:	HMBP: NO ER CONTACTS LISTED OR CURRENT
Violation Citation:	Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3106
Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/08/2010
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: SUSP

Facility Id: 217095
Business Type: 6HK23
EPA Id Number: CAL000333280
APN: 213-020-18-00
Last HMMD Inspection: Not reported
Permit Status: TEMP
Permit Expiration: 09/30/2013
Facility Owner: Not reported
Facility Address: Not reported
Facility City: Not reported
Facility State: Not reported
Facility Zip: Not reported
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: N
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 113987 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 217095
Tank Type: SINGLE WALL
Additional Id: 1 JP4 JET FUEL, RT3594
Capacity Gallons: 20000
UST Contents: JET FUEL
Other Content Info: JET FUEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 11A
UST Monitor Method: SW TANK ANNUALLY

UST Name: UNDERGROUND TANK 113987 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 217095
Tank Type: SINGLE WALL
Additional Id: 2 JP4 JET FUEL, RT3594
Capacity Gallons: 20000
UST Contents: JET FUEL
Other Content Info: JET FUEL
Reg Status: ACTIVE

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 11A
UST Monitor Method: DW

UST Name: UNDERGROUND TANK 113987 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 217095
Tank Type: SINGLE WALL
Additional Id: 3 AVIATION FUEL, RT3594
Capacity Gallons: 12000
UST Contents: AVIATION FUEL
Other Content Info: AVIATION FUEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 11A
UST Monitor Method: DW

Active Permits:
Facility Id: 217095
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: JP4 JET FUEL
Other Information: UNDERGROUND TANK 113987 T002 JP4 JET FUEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: JP4 JET FUEL
Other Information: UNDERGROUND TANK 113987 T001 JP4 JET FUEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: MIXTURE
Name: AV GAS
Other Information: AV GAS: 1-1000 GAL TRUCK
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: AVIATION FUEL
Other Information: UNDERGROUND TANK 113987 T003 AVIATION FUEL
Material Waste: Material

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: MIXTURE
Name: JET FUEL
Other Information: JET FUEL-2-5000 TRUCKS
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: 107-21-1
Name: FUEL ADDITIVE W/ DIETHYLENE GLYCOL MONOETHYL ETHER
Other Information: DE-ICER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: JET A/ RV. FUEL FILTER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: WASTE OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: OILY WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209011
Business Type: 6HK23
EPA Id Number: CAL000333280
APN: 213-020-18-00
Last HMMD Inspection: 07/28/2013
Permit Status: SUSP
Permit Expiration: 01/31/2013
Facility Owner: WESTERN FLIGHT SERVICES LLC

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Facility Address:	2056 PALOMAR AIRPORT RD
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92011
UST Owner:	PALOMAR FUEL SERVICES, LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	N
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113987 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	209011
Tank Type:	SINGLE WALL
Additional Id:	1 JP4 JET FUEL, RT3594
Capacity Gallons:	20000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	11A
UST Monitor Method:	SW TANK ANNUALLY

UST Name:	UNDERGROUND TANK 113987 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	209011
Tank Type:	SINGLE WALL
Additional Id:	2 JP4 JET FUEL, RT3594
Capacity Gallons:	20000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	11A
UST Monitor Method:	DW

UST Name:	UNDERGROUND TANK 113987 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	209011
Tank Type:	SINGLE WALL
Additional Id:	3 AVIATION FUEL, RT3594
Capacity Gallons:	12000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Monitor Code: 11A
UST Monitor Method: DW

Active Permits:

Facility Id: 209011
Update Date: 11/02/2012
Case Number: 107-21-1
Name: FUEL ADDITIVE W/ DIETHYLENE GLYCOL MONOETHYL ETHER
Other Information: DE-ICER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 209011
Update Date: 11/02/2012
Case Number: MIXTURE
Name: JET FUEL
Other Information: JET FUEL-2-5000 TRUCKS
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 209011
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: JET A/ RV. FUEL FILTER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209011
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: WASTE OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209011
Update Date: 11/02/2012
Case Number: MIXTURE
Name: AV GAS
Other Information: AV GAS: 1-1000 GAL TRUCK
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 209011
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: AVIATION FUEL
Other Information: UNDERGROUND TANK 113987 T003 AVIATION FUEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Facility Id:	209011
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	OILY WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	209011
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	JP4 JET FUEL
Other Information:	UNDERGROUND TANK 113987 T001 JP4 JET FUEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	209011
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	JP4 JET FUEL
Other Information:	UNDERGROUND TANK 113987 T002 JP4 JET FUEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	SUSP

Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	SUSP

Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	SUSP

Facility Id:	209011
Update Date:	11/02/2012

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Inspection Date:	06/03/2008
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/08/2010
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
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:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
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:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV3191
Violation:	NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation:	Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
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:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/08/2010
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3110
Violation:	NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation:	Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity:	SUSP

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/08/2010
Violation Code:	6HV1005
Violation:	HMBP: NO ER CONTACTS LISTED OR CURRENT
Violation Citation:	Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Inspection Date: 06/03/2008
Violation Code: 6HV3102
Violation: OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation: Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV3104
Violation: FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation: CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV3106
Violation: NO OWNER/OPERATOR AGREEMENT
Violation Citation: Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV3101
Violation: UPF PERMIT NOT CURRENT/ONSITE
Violation Citation: Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 07/28/2013
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 07/08/2010
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV3501
Violation: NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation: SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: SUSP

Facility Id: 209011
Business Type: 6HK23
EPA Id Number: CAL000333280
APN: 213-020-18-00
Last HMMD Inspection: 07/28/2013
Permit Status: SUSP
Permit Expiration: 01/31/2013
Facility Owner: WESTERN FLIGHT SERVICES LLC
Facility Address: 2056 PALOMAR AIRPORT RD
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92011
UST Owner: PALOMAR FUEL SERVICES, LLC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 113987 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 209011
Tank Type: SINGLE WALL

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Additional Id:	1 JP4 JET FUEL, RT3594
Capacity Gallons:	20000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	11A
UST Monitor Method:	SW TANK ANNUALLY
UST Name:	UNDERGROUND TANK 113987 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	209011
Tank Type:	SINGLE WALL
Additional Id:	2 JP4 JET FUEL, RT3594
Capacity Gallons:	20000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	11A
UST Monitor Method:	DW
UST Name:	UNDERGROUND TANK 113987 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	209011
Tank Type:	SINGLE WALL
Additional Id:	3 AVIATION FUEL, RT3594
Capacity Gallons:	12000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	11A
UST Monitor Method:	DW

Active Permits:

Facility Id:	209011
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	FUEL ADDITIVE W/ DIETHYLENE GLYCOL MONOETHYL ETHER
Other Information:	DE-ICER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	209011
Update Date:	11/02/2012
Case Number:	MIXTURE

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Name:	JET FUEL
Other Information:	JET FUEL-2-5000 TRUCKS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	209011
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	JET A/ RV. FUEL FILTER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	209011
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	WASTE OILY ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	209011
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	AV GAS
Other Information:	AV GAS: 1-1000 GAL TRUCK
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	209011
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	AVIATION FUEL
Other Information:	UNDERGROUND TANK 113987 T003 AVIATION FUEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	209011
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	OILY WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	209011
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	JP4 JET FUEL
Other Information:	UNDERGROUND TANK 113987 T001 JP4 JET FUEL
Material Waste:	Material

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 209011
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: JP4 JET FUEL
Other Information: UNDERGROUND TANK 113987 T002 JP4 JET FUEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 07/28/2013
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 07/28/2013
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 07/28/2013
Violation Code: 6HV0234
Violation: FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET
Violation Citation: All permit operating conditions not met. 25284; 2712
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: SUSP

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	SUSP

Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/08/2010
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	SUSP

Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
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:	SUSP

Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
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:	SUSP

Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	SUSP

Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV3191
Violation:	NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation:	Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity:	SUSP

Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV0227

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/08/2010
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3110
Violation:	NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation:	Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/08/2010
Violation Code:	6HV1005
Violation:	HMBP: NO ER CONTACTS LISTED OR CURRENT
Violation Citation:	Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	SUSP

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3106
Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/28/2013
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012
Inspection Date:	07/08/2010
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	SUSP
Facility Id:	209011
Update Date:	11/02/2012

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Inspection Date: 06/03/2008
Violation Code: 6HV3501
Violation: NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation: SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity: SUSP

Facility Id: 209011
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: SUSP

Facility Id: 217095
Business Type: 6HK23
EPA Id Number: CAL000333280
APN: 213-020-18-00
Last HMMD Inspection: Not reported
Permit Status: TEMP
Permit Expiration: 09/30/2013
Facility Owner: Not reported
Facility Address: Not reported
Facility City: Not reported
Facility State: Not reported
Facility Zip: Not reported
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 113987 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 217095
Tank Type: SINGLE WALL
Additional Id: 1 JP4 JET FUEL, RT3594
Capacity Gallons: 20000
UST Contents: JET FUEL
Other Content Info: JET FUEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 11A
UST Monitor Method: SW TANK ANNUALLY

UST Name: UNDERGROUND TANK 113987 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 217095
Tank Type: SINGLE WALL

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Additional Id: 2 JP4 JET FUEL, RT3594
Capacity Gallons: 20000
UST Contents: JET FUEL
Other Content Info: JET FUEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 11A
UST Monitor Method: DW

UST Name: UNDERGROUND TANK 113987 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 217095
Tank Type: SINGLE WALL
Additional Id: 3 AVIATION FUEL, RT3594
Capacity Gallons: 12000
UST Contents: AVIATION FUEL
Other Content Info: AVIATION FUEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 11A
UST Monitor Method: DW

Active Permits:
Facility Id: 217095
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: JP4 JET FUEL
Other Information: UNDERGROUND TANK 113987 T002 JP4 JET FUEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: JP4 JET FUEL
Other Information: UNDERGROUND TANK 113987 T001 JP4 JET FUEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: MIXTURE
Name: AV GAS
Other Information: AV GAS: 1-1000 GAL TRUCK
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	AVIATION FUEL
Other Information:	UNDERGROUND TANK 113987 T003 AVIATION FUEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	217095
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	JET FUEL
Other Information:	JET FUEL-2-5000 TRUCKS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	217095
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	FUEL ADDITIVE W/ DIETHYLENE GLYCOL MONOETHYL ETHER
Other Information:	DE-ICER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	217095
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	JET A/ RV. FUEL FILTER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	217095
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	WASTE OILY ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	217095
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	OILY WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	217095
Business Type:	6HK23
EPA Id Number:	CAL000333280

WESTERN FLIGHT INTL INC (Continued) **S101301454**

APN:	213-020-18-00
Last HMMD Inspection:	Not reported
Permit Status:	TEMP
Permit Expiration:	09/30/2013
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113987 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	217095
Tank Type:	SINGLE WALL
Additional Id:	1 JP4 JET FUEL, RT3594
Capacity Gallons:	20000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	11A
UST Monitor Method:	SW TANK ANNUALLY

UST Name:	UNDERGROUND TANK 113987 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	217095
Tank Type:	SINGLE WALL
Additional Id:	2 JP4 JET FUEL, RT3594
Capacity Gallons:	20000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	11A
UST Monitor Method:	DW

UST Name:	UNDERGROUND TANK 113987 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	217095
Tank Type:	SINGLE WALL
Additional Id:	3 AVIATION FUEL, RT3594
Capacity Gallons:	12000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 11A
UST Monitor Method: DW

Active Permits:

Facility Id: 217095
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: JP4 JET FUEL
Other Information: UNDERGROUND TANK 113987 T002 JP4 JET FUEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: JP4 JET FUEL
Other Information: UNDERGROUND TANK 113987 T001 JP4 JET FUEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: MIXTURE
Name: AV GAS
Other Information: AV GAS: 1-1000 GAL TRUCK
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: AVIATION FUEL
Other Information: UNDERGROUND TANK 113987 T003 AVIATION FUEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: MIXTURE
Name: JET FUEL
Other Information: JET FUEL-2-5000 TRUCKS
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: 107-21-1

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Name: FUEL ADDITIVE W/ DIETHYLENE GLYCOL MONOETHYL ETHER
Other Information: DE-ICER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: JET A/ RV. FUEL FILTER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: WASTE OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 217095
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: OILY WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SWEEPS UST:
Status: Active
Comp Number: 13987
Number: 9
Board Of Equalization: 44-022830
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013987-000001
Tank Status: A
Capacity: 20000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: JET FUEL
Number Of Tanks: 3

Status: Active
Comp Number: 13987
Number: 9
Board Of Equalization: 44-022830
Referral Date: Not reported

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013987-000002
Tank Status:	A
Capacity:	20000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	JET FUEL
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	13987
Number:	9
Board Of Equalization:	44-022830
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013987-000003
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	AVIA. GAS
Number Of Tanks:	Not reported

HIST UST:

File Number:	0002F57C
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F57C.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported

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

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CHMIRS:

OES Incident Number:	1-6041

WESTERN FLIGHT INTL INC (Continued) **S101301454**

OES notification:	10/10/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Airport
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1444
Year:	2011
Agency:	San Diego Co
Incident Date:	10/10/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Aviation Fuel
Quantity Released:	3
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported

WESTERN FLIGHT INTL INC (Continued) **S101301454**

#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states two aircraft were turned upside down due to backblast of a larger plane. Caller states release was contained to the asphalt. Caller states drip pans and clean-up materials have been placed around aircraft.

HAZNET:

envid:	S101301454
Year:	2014
GEPAID:	CAL000376986
Contact:	DANIEL SMITH
Telephone:	7604386800
Mailing Name:	Not reported
Mailing Address:	2210 PALOMAR AIRPORT RD
Mailing City,St,Zip:	CARLSBAD, CA 92011
Gen County:	San Diego
TSD EPA ID:	CAD008252405
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.25
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:	S101301454
Year:	2013
GEPAID:	CAL000376986
Contact:	DANIEL SMITH
Telephone:	7604386800
Mailing Name:	Not reported
Mailing Address:	2210 PALOMAR AIRPORT RD
Mailing City,St,Zip:	CARLSBAD, CA 92011
Gen County:	San Diego
TSD EPA ID:	CAD008252405
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:	0.15
Cat Decode:	Not reported
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Not reported

envid:	S101301454
Year:	2013
GEPAID:	CAL000376986

WESTERN FLIGHT INTL INC (Continued) **S101301454**

Contact: DANIEL SMITH
Telephone: 7604386800
Mailing Name: Not reported
Mailing Address: 2210 PALOMAR AIRPORT RD
Mailing City,St,Zip: CARLSBAD, CA 92011
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.374
Cat Decode: Not reported
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2227

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT846

B11 **AIR RESORTS AIRLINES** **RCRA-SQG 1000129858**
2192 PALOMAR AIRPORT RD **CA LUST CAD981982911**
< 1/8 **CARLSBAD, CA 92008** **CA San Diego Co. HMMD**
1 ft. **CA SWEEPS UST**
Site 5 of 10 in cluster B **CA CHMIRS**
FINDS
Relative: **CA HAZNET**
Lower **CA HIST CORTESE**
CA NPDES
Actual: **ECHO**
285 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: AIR RESORTS AIRLINES
Facility address: 2192 PALOMAR AIRPORT RD
CARLSBAD, CA 92008
EPA ID: CAD981982911
Mailing address: PALOMAR AIRPORT RD
CARLSBAD, CA 92008
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

AIR RESORTS AIRLINES (Continued) **1000129858**

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:	TED VALLAS
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
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

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1722
Local Case:	H13977-002
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank

AIR RESORTS AIRLINES (Continued) **1000129858**

Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 06/13/1990
Date Stopped: 06/13/1990
Confirm Date: 06/13/1990
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/13/1990
Enforce Date: Not reported
Closed Date: 5/22/91
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.40
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 3B
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. HMMD:
Facility Id: 213263
Business Type: HK18
EPA Id Number: Not reported
APN: 213-020-18-00
Last HMMD Inspection: 09/07/2011
Permit Status: OPEN
Permit Expiration: 01/31/2013
Facility Owner: VERIZON WIRELESS
Facility Address: 15505 SAND CANYON AVE #D
Facility City: Irvine
Facility State: CA
Facility Zip: 92618
UST Owner: Not reported
Handle Regulated Hazmat: Y
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

Active Permits:
Facility Id: 213263
Update Date: 11/02/2012
Case Number: Not reported
Name: BATTERY ELECTROLYTE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

AIR RESORTS AIRLINES (Continued) **1000129858**

Facility Id:	207803
Business Type:	6HK52
EPA Id Number:	CAL000318206
APN:	213-020-18-00
Last HMMD Inspection:	05/05/2011
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	COUNTY OF SAN DIEGO DPW-AIRPORTS
Facility Address:	2192 PALOMAR AIRPORT RD
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92011
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

Active Permits:

Facility Id:	207803
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE & OXYGEN GAS: WELDING CART
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	207803
Update Date:	11/02/2012
Case Number:	8008-20-6
Name:	DIESEL FUEL: 336G + 101G: GENERATORS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	207803
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ANSULITE 3%
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207803
Update Date:	11/02/2012
Case Number:	298-14-6
Name:	POTASSIUM BICARBONATE
Other Information:	PURPLE K DRY CHEMICAL
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207803

AIR RESORTS AIRLINES (Continued) **1000129858**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	AVIATION FUEL:
Other Information:	AV-GAS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	207803
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	207803
Update Date:	11/02/2012
Case Number:	Not reported
Name:	OPR
Other Information:	ASPHALT PAVEMENT REPAIR
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Violations Active Permits:

Facility Id:	207803
Update Date:	11/02/2012
Inspection Date:	09/16/2009
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	207803
Update Date:	11/02/2012
Inspection Date:	05/05/2011
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	113987
Business Type:	6HK23
EPA Id Number:	CAD982325102
APN:	213-020-18-00
Last HMMD Inspection:	03/07/2007
Permit Status:	INAC
Permit Expiration:	01/31/2008
Facility Owner:	MONTE TESTERMAN
Facility Address:	2210 PALOMAR AIRPORT RD
Facility City:	CARLSBAD

AIR RESORTS AIRLINES (Continued) **1000129858**

Facility State:	CA
Facility Zip:	92008-4816
UST Owner:	WESTERN FLIGHT INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113987 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113987
Tank Type:	SINGLE WALL
Additional Id:	1 JP4 JET FUEL, RT3594
Capacity Gallons:	20000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

UST Name:	UNDERGROUND TANK 113987 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113987
Tank Type:	SINGLE WALL
Additional Id:	2 JP4 JET FUEL, RT3594
Capacity Gallons:	20000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

UST Name:	UNDERGROUND TANK 113987 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113987
Tank Type:	SINGLE WALL
Additional Id:	3 AVIATION FUEL, RT3594
Capacity Gallons:	12000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

AIR RESORTS AIRLINES (Continued) **1000129858**

Violations Inactive Permits:

Facility Id:	113987
Update Date:	11/02/2012
Inspection Date:	03/25/2004
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	Inactive Permit

Facility Id:	113987
Update Date:	11/02/2012
Inspection Date:	03/25/2004
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	Inactive Permit

Facility Id:	113987
Update Date:	11/02/2012
Inspection Date:	03/25/2004
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	Inactive Permit

Facility Id:	113987
Update Date:	11/02/2012
Inspection Date:	03/25/2004
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	Inactive Permit

Facility Id:	113987
Update Date:	11/02/2012
Inspection Date:	03/25/2004
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	Inactive Permit

Facility Id:	113987
Update Date:	11/02/2012
Inspection Date:	04/24/2003
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	Inactive Permit

Facility Id:	207803
Business Type:	6HK52
EPA Id Number:	CAL000318206

AIR RESORTS AIRLINES (Continued) **1000129858**

APN:	213-020-18-00
Last HMMD Inspection:	05/05/2011
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	COUNTY OF SAN DIEGO DPW-AIRPORTS
Facility Address:	2192 PALOMAR AIRPORT RD
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92011
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	207803
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE & OXYGEN GAS: WELDING CART
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	207803
Update Date:	11/02/2012
Case Number:	8008-20-6
Name:	DIESEL FUEL: 336G + 101G: GENERATORS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	207803
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ANSULITE 3%
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207803
Update Date:	11/02/2012
Case Number:	298-14-6
Name:	POTASSIUM BICARBONATE
Other Information:	PURPLE K DRY CHEMICAL
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207803
Update Date:	11/02/2012
Case Number:	Not reported
Name:	AVIATION FUEL:

AIR RESORTS AIRLINES (Continued) **1000129858**

Other Information: AV-GAS
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 207803
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 207803
Update Date: 11/02/2012
Case Number: Not reported
Name: OPR
Other Information: ASPHALT PAVEMENT REPAIR
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Violations Active Permits:
Facility Id: 207803
Update Date: 11/02/2012
Inspection Date: 09/16/2009
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 207803
Update Date: 11/02/2012
Inspection Date: 05/05/2011
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation: Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity: ACTIVE

SWEEPS UST:
Status: Not reported
Comp Number: 13977
Number: Not reported
Board Of Equalization: 44-022829
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013977-000001
Tank Status: Not reported
Capacity: 1500

AIR RESORTS AIRLINES (Continued) **1000129858**

Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

Status:	Active
Comp Number:	13977
Number:	9
Board Of Equalization:	44-022829
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

CHMIRS:

OES Incident Number:	08-2911
OES notification:	04/19/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Airport
Cleanup By:	Reporting Party

AIR RESORTS AIRLINES (Continued) **1000129858**

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1012
Year:	2008
Agency:	Palomar Airport
Incident Date:	4/19/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Jet A Fuel
Quantity Released:	30
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP states that an aircraft went off the runway causing damage to the right fuel cell which released approximately 30 gallons of jet fuel onto the dirt.

FINDS:

Registry ID: 110002764278

Environmental Interest/Information System

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

HAZNET:

envid:	1000129858
Year:	1997
GEPAID:	CAD981982911
Contact:	Not reported
Telephone:	0000000000

AIR RESORTS AIRLINES (Continued) **1000129858**

Mailing Name: Not reported
Mailing Address: 2192 PALOMAR AIRPORT RD
Mailing City,St,Zip: CARLSBAD, CA 920084814
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 1.6680
Cat Decode: Waste oil and mixed oil
Method Decode: Recycler
Facility County: San Diego

envid: 1000129858
Year: 1995
GEPAID: CAD981982911
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 2192 PALOMAR AIRPORT RD
Mailing City,St,Zip: CARLSBAD, CA 920084814
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .0725
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Transfer Station
Facility County: San Diego

envid: 1000129858
Year: 1995
GEPAID: CAD981982911
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 2192 PALOMAR AIRPORT RD
Mailing City,St,Zip: CARLSBAD, CA 920084814
Gen County: Not reported
TSD EPA ID: CAT080022148
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: 2.2935
Cat Decode: Waste oil and mixed oil
Method Decode: Transfer Station
Facility County: San Diego

envid: 1000129858
Year: 1994
GEPAID: CAD981982911
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 2192 PALOMAR AIRPORT RD
Mailing City,St,Zip: CARLSBAD, CA 920084814

AIR RESORTS AIRLINES (Continued) **1000129858**

Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Transfer Station
Tons:	.1315
Cat Decode:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode:	Transfer Station
Facility County:	San Diego

envid:	1000129858
Year:	1994
GEPAID:	CAD981982911
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	2192 PALOMAR AIRPORT RD
Mailing City,St,Zip:	CARLSBAD, CA 920084814
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Transfer Station
Tons:	.0135
Cat Decode:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode:	Transfer Station
Facility County:	San Diego

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

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1917

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1722

NPDES:

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	436752
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C366226
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/19/2013
Expiration Date Of Regulatory Measure:	Not reported

AIR RESORTS AIRLINES (Continued) **1000129858**

Termination Date Of Regulatory Measure:	08/20/2013
Discharge Name:	County of San Diego
Discharge Address:	5500 Overland Ave
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92123
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
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

AIR RESORTS AIRLINES (Continued) **1000129858**

CERTIFIER TITLE: Not reported
CERTIFICATION DATE: Not reported
PRIMARY SIC: Not reported
SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

ECHO:
Envid: 1000129858
Registry ID: 110002764278
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002764278

B12 **PALOMAR AVIATION FUELS INC** **CA SAN DIEGO CO. SAM** **U004051073**
2198 PALOMAR AIRPORT RD **CA UST** **N/A**
< 1/8 **CARLSBAD, CA 92011**
1 ft.

Site 6 of 10 in cluster B

Relative: Lower

Actual: 285 ft.

SAN DIEGO CO. SAM:
Case Number: H20083-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 4/27/1988
Date Began: 11/3/1986

UST:
Facility ID: H20083
Permitting Agency: SAN DIEGO COUNTY
Latitude: 33.12618
Longitude: -117.27437

B13 **WESTERN FLIGHT INC.** **CA SAN DIEGO CO. SAM** **U001571002**
2210 PALOMAR AIRPORT RD **CA UST** **N/A**
< 1/8 **CARLSBAD, CA 92011**
1 ft.

Site 7 of 10 in cluster B

Relative: Lower

Actual: 285 ft.

SAN DIEGO CO. SAM:
Case Number: H13987-001
Agency: CA Regional Water Quality Control Board
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 5/31/2007
Date Began: 12/7/1987

Case Number: H13987-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 12/3/1991
Date Began: 4/16/1990

WESTERN FLIGHT INC. (Continued) **U001571002**

Case Number: H13987-003
Agency: CA Regional Water Quality Control Board
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Preliminary Assessment
Date: 2/26/1992
Date Began: 2/24/1992

UST:
Facility ID: H13987
Permitting Agency: SAN DIEGO COUNTY
Latitude: 33.128209
Longitude: -117.274399

B14 **CIVIC HELICOPTERS, INC.** **CA AST** **S106061883**
2206 PALOMAR AIRPORT RD **CA San Diego Co. HMMD** **N/A**
< 1/8 **CARLSBAD, CA 92011**
1 ft.

Site 8 of 10 in cluster B

Relative: AST:
Lower Certified Unified Program Agencies: San Diego
Owner: CHIN YI TU
Actual: Total Gallons: 2020
285 ft.

SAN DIEGO CO. HMMD:
Facility Id: 207621
Business Type: 6HK26
EPA Id Number: Not reported
APN: 213-020-18-00
Last HMMD Inspection: 11/06/2008
Permit Status: INAC
Permit Expiration: 04/30/2009
Facility Owner: CHRIS IVEY
Facility Address: 2206 PALOMAR AIRPORT RD #B-1
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92011
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

Facility Id: 121731
Business Type: 6HK50
EPA Id Number: CAL000236185
APN: 213-020-18-00
Last HMMD Inspection: 10/31/2002
Permit Status: CHNG
Permit Expiration: 10/31/2003
Facility Owner: DANNY ERICKSON & DENNIS MAZE
Facility Address: 2206 PALOMAR AIRPORT RD #A-1
Facility City: CARLSBAD
Facility State: CA

CIVIC HELICOPTERS, INC. (Continued) **S106061883**

Facility Zip: 92008-4860
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
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

Facility Id: 209207
Business Type: 6HK26
EPA Id Number: CAL000392444
APN: 213-020-18-00
Last HMMD Inspection: 01/12/2010
Permit Status: OPEN
Permit Expiration: 01/31/2013
Facility Owner: CHIN YI TU
Facility Address: 2206 PALOMAR AIRPORT RD #H
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92011
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

Active Permits:
Facility Id: 209207
Update Date: 11/02/2012
Case Number: MIXTURE
Name: JET FUEL
Other Information: TRUCK
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 209207
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209207
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 209207

CIVIC HELICOPTERS, INC. (Continued) **S106061883**

Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209207
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209207
Update Date: 11/02/2012
Case Number: Not reported
Name: AVGAS: TRUCK
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 209207
Update Date: 11/02/2012
Inspection Date: 05/08/2008
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

Facility Id: 209207
Update Date: 11/02/2012
Inspection Date: 05/08/2008
Violation Code: 6HV0234
Violation: FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity: ACTIVE

Facility Id: 209207
Update Date: 11/02/2012
Inspection Date: 05/08/2008
Violation Code: 6HV1004
Violation: HMBP NOT SUBMITTED TO HMD
Violation Citation: Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity: ACTIVE

Facility Id: 209207
Update Date: 11/02/2012
Inspection Date: 05/08/2008

CIVIC HELICOPTERS, INC. (Continued) **S106061883**

Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Facility Id: 209207
Business Type: 6HK26
EPA Id Number: CAL000392444
APN: 213-020-18-00
Last HMMD Inspection: 01/12/2010
Permit Status: OPEN
Permit Expiration: 01/31/2013
Facility Owner: CHIN YI TU
Facility Address: 2206 PALOMAR AIRPORT RD #H
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92011
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 209207
Update Date: 11/02/2012
Case Number: MIXTURE
Name: JET FUEL
Other Information: TRUCK
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 209207
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209207
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 209207
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL

CIVIC HELICOPTERS, INC. (Continued) **S106061883**

Other Information: WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209207
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209207
Update Date: 11/02/2012
Case Number: Not reported
Name: AVGAS: TRUCK
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 209207
Update Date: 11/02/2012
Inspection Date: 05/08/2008
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

Facility Id: 209207
Update Date: 11/02/2012
Inspection Date: 05/08/2008
Violation Code: 6HV0234
Violation: FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity: ACTIVE

Facility Id: 209207
Update Date: 11/02/2012
Inspection Date: 05/08/2008
Violation Code: 6HV1004
Violation: HMBP NOT SUBMITTED TO HMD
Violation Citation: Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity: ACTIVE

Facility Id: 209207
Update Date: 11/02/2012
Inspection Date: 05/08/2008
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173

CIVIC HELICOPTERS, INC. (Continued) **S106061883**

Activity: ACTIVE

B15 **PALOMAR AVIATION FUELS INC** **CA SWF/LF** **S101541395**
2198 PALOMAR AIRPORT RD **CA SAN DIEGO CO. SAM** **N/A**
< 1/8 **CARLSBAD, CA 92008** **CA SLIC**
1 ft. **CA San Diego Co. HMMD**
Site 9 of 10 in cluster B **CA EMI**
CA NPDES

Relative:
Lower

Actual:
285 ft.

SAN DIEGO CO. LF:

Facility Status:	CLOSED SITES
Operational Status:	CLOSED
Region:	SAN DIEGO
SWIS Number:	37-AH-0002
Owner Name:	COUNTY OF SAN DIEGO
Operator:	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS
Facility Type:	CLOSED LANDFILLS INSPECTED MONTHLY
Facility Type2:	LANDFILL
PERMTIER:	POST-CLOSURE LANDUSE CHANGE
Inspection Frequency:	MONTHLY

SAN DIEGO CO. SAM:

Case Number:	H10424-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/6/1993
Date Began:	12/23/1991

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/06/1993
Global Id:	T0608186714
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H10424-001
Latitude:	33.126378
Longitude:	-117.274033
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

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

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/27/1988
Global Id:	T0608183249
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H20083-001

PALOMAR AVIATION FUELS INC (Continued) **S101541395**

Latitude:	33.126378
Longitude:	-117.274033
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

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

SAN DIEGO CO. HMMD:

Facility Id:	207198
Business Type:	6HK18
EPA Id Number:	CAL000337748
APN:	212-093-07-00
Last HMMD Inspection:	03/02/2012
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	TSA
Facility Address:	2305 HISTORIC DECATUR RD #201
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92106
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	N

Active Permits:

Facility Id:	207198
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	WASTE FLAMMABLES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207198
Business Type:	6HK18
EPA Id Number:	CAL000337748
APN:	212-093-07-00
Last HMMD Inspection:	03/02/2012
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	TSA
Facility Address:	2305 HISTORIC DECATUR RD #201
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92106

PALOMAR AVIATION FUELS INC (Continued) **S101541395**

UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Active Permits:
Facility Id: 207198
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: WASTE FLAMMABLES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 110424
Business Type: 6HK03
EPA Id Number: Not reported
APN: 213-020-18-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: 06/30/2002
Facility Owner: COUNTY OF SAN DIEGO
Facility Address: 2198 PALOMAR AIRPORT RD
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92008-4814
UST Owner: COUNTY OF SAN DIEGO
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

EMI:
Year: 1996
County Code: 37
Air Basin: SD
Facility ID: 88136
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: 799
Reactive Organic Gases Tons/Yr: 10
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1

PALOMAR AVIATION FUELS INC (Continued) **S101541395**

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	88136
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:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	88136
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:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	88136
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:	-14
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	88136
Air District Name:	SD
SIC Code:	4953

PALOMAR AVIATION FUELS INC (Continued) **S101541395**

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:	8
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	88136
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:	8
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
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:	88136
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:	8
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
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:	88136
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:	7.636453216
Reactive Organic Gases Tons/Yr:	0.155876554
Carbon Monoxide Emissions Tons/Yr:	0.060546499

PALOMAR AVIATION FUELS INC (Continued) **S101541395**

NOX - Oxides of Nitrogen Tons/Yr:	1.499184
SOX - Oxides of Sulphur Tons/Yr:	0.275100264
Particulate Matter Tons/Yr:	0.374796
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.374796

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	287121
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C338313
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:	9/7/2007
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	12/13/2005
STATUS CODE NAME:	Terminated
STATUS DATE:	9/7/2007
PLACE SIZE:	32
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Ken Beck
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	858-583-6051
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	San Diego Cnty
OPERATOR ADDRESS:	5555 Overland Ave Ste 6101
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92123
OPERATOR CONTACT NAME:	Michael Khoury
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	858-694-3097
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Other
DEVELOPER NAME:	West Coast General Corp
DEVELOPER ADDRESS:	13685 Stowe Dr Ste B
DEVELOPER CITY:	Poway
DEVELOPER STATE:	California
DEVELOPER ZIP:	92064
DEVELOPER CONTACT NAME:	Dick Gutowski
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	858-583-6051
EMERGENCY PHONE EXT:	Not reported

PALOMAR AVIATION FUELS INC (Continued) **S101541395**

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:	Y
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:	Robert R Copper
CERTIFIER TITLE:	Deputy Chief Administrative Officer
CERTIFICATION DATE:	04-DEC-05
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:	327699
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C347914
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:	8/25/2009
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	7/9/2007
STATUS CODE NAME:	Terminated
STATUS DATE:	8/25/2009
PLACE SIZE:	18
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Willie Vasquez
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	760-966-3272
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	San Diego Cnty
OPERATOR ADDRESS:	5555 Overland Ave Ste 6101

PALOMAR AVIATION FUELS INC (Continued) **S101541395**

OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92123
OPERATOR CONTACT NAME:	Michael Khoury
OPERATOR CONTACT TITLE:	Project Mgr
OPERATOR CONTACT PHONE:	858-694-3097
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	San Diego Cnty
DEVELOPER ADDRESS:	5555 Overland Ave Ste 6101
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92123
DEVELOPER CONTACT NAME:	Michael Khoury
DEVELOPER CONTACT TITLE:	Project Mgr
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:	Y
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:	218301
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I004570
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

PALOMAR AVIATION FUELS INC (Continued) **S101541395**

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:	5/9/2008
PROCESSED DATE:	4/8/1992
STATUS CODE NAME:	Active
STATUS DATE:	4/8/1992
PLACE SIZE:	255
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Floyd Best
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	760-431-4646
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	San Diego County
OPERATOR ADDRESS:	5555 Overland Ave Bldg 6
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92123
OPERATOR CONTACT NAME:	Timothy Walsh
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-596-3900
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Other
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:	760-431-4646
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:	Pacific Ocean
CERTIFIER NAME:	Not reported

PALOMAR AVIATION FUELS INC (Continued) **S101541395**

CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	4581-Airports, Flying Fields, and Airport Terminal Services
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	218301
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I004570
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/08/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	San Diego County Airport
Discharge Address:	1960 Joe Crosson Drive
Discharge City:	El Cajon
Discharge State:	California
Discharge Zip:	92020
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

PALOMAR AVIATION FUELS INC (Continued) **S101541395**

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:	368175
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C355978
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:	11/16/2010
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	7/6/2009
PROCESSED DATE:	8/11/2009
STATUS CODE NAME:	Terminated
STATUS DATE:	11/16/2010
PLACE SIZE:	20.67
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Willie Vasquez
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	760-966-3272
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	County of San Diego
OPERATOR ADDRESS:	5500 Overland Ave

PALOMAR AVIATION FUELS INC (Continued) **S101541395**

OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92123
OPERATOR CONTACT NAME:	Ali Pirouzian
OPERATOR CONTACT TITLE:	Project Mgr
OPERATOR CONTACT PHONE:	619-306-8140
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	ali.pirouzian@sdcounty.ca.gov
OPERATOR TYPE:	County Agency
DEVELOPER NAME:	San Diego Cnty
DEVELOPER ADDRESS:	5555 Overland Ave Ste 6101
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92123
DEVELOPER CONTACT NAME:	Michael Khoury
DEVELOPER CONTACT TITLE:	Project Mgr
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	760-497-4933
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:	Y
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:	Ramin Abidi
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	24-JUN-10
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

B16 **PALOMAR AIRPORT** **CA LUST** **S101301453**
2192 PALOMAR AIRPORT RD **N/A**
< 1/8 **CARLSBAD, CA 92008**
1 ft.

Site 10 of 10 in cluster B

Relative:
Lower

Actual:
285 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1917
Local Case:	H13977-003
Substance:	Jet Fuel
Qty Leaked:	Not reported
Abate Method:	Not reported

PALOMAR AIRPORT (Continued) **S101301453**

Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	02/12/1991
Date Stopped:	01/12/1991
Confirm Date:	08/15/1990
Submit Workplan:	Not reported
Prelim Assess:	02/01/1991
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	02/12/1991
Enforce Date:	Not reported
Closed Date:	7/16/96
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	904.40
GW Depth:	UNK
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	3B
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

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17 **JET SOURCE, INC.** **RCRA-LQG** **1000205725**
2056 PALOMAR AIRPORT ROAD **CA LUST** **CAD981367964**
< 1/8 **CARLSBAD, CA 92011** **CA SAN DIEGO CO. SAM**
1 ft. **CA SLIC**
CA UST
CA San Diego Co. HMMD
Relative: **CA SWEEPS UST**
Higher **CA CHMIRS**
FINDS
Actual: **CA HIST CORTESE**
311 ft. **ECHO**

RCRA-LQG:

Date form received by agency:	05/16/2016
Facility name:	JET SOURCE, INC.
Facility address:	2056 PALOMAR AIRPORT ROAD CARLSBAD, CA 92101
EPA ID:	CAD981367964
Mailing address:	PALOMAR AIRPORT ROAD CARLSBAD, CA 92011
Contact:	SCOTT A STORMS
Contact address:	ROSECRANS ST STE 201 SAN DIEGO, CA 92101
Contact country:	US
Contact telephone:	844-992-7359
Telephone ext.:	704
Contact email:	SSTORMS@RELYENVIROMENTAL.COM

JET SOURCE, INC. (Continued) **1000205725**

EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: JETSOURCE INC
Owner/operator address: PALOMAR AIRPORT RD
CARLSBAD, 92011
Owner/operator country: US
Owner/operator telephone: 760-438-0877
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/20/1997
Owner/Op end date: Not reported

Owner/operator name: JET SOURCE, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/20/1997
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: 121

JET SOURCE, INC. (Continued) **1000205725**

. Waste code: 123
. Waste name: 123

. Waste code: 133
. Waste name: 133

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 221
. Waste name: 221

. Waste code: 222
. Waste name: 222

. Waste code: 223
. Waste name: 223

. Waste code: 231
. Waste name: 231

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 751
. Waste name: 751

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D018
. Waste name: BENZENE

JET SOURCE, INC. (Continued) **1000205725**

Historical Generators:
Date form received by agency: 02/20/2004
Site name: JET SOURCE, INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 02/20/2004
Site name: JET SOURCE, INC.
Classification: Small Quantity Generator

Date form received by agency: 04/04/1990
Site name: CINEMA AIR JET CENTER
Classification: Small Quantity Generator

Violation Status: No violations found

LUST:
Region: STATE
Global Id: T0607302573
Latitude: 33.1225616
Longitude: -117.2786728
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/02/2002
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: SW
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT3811
LOC Case Number: H20084-002
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Aviation
Site History: Not reported

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

Contact:
Global Id: T0607302573
Contact Type: Local Agency Caseworker
Contact Name: SCOTT WELDON
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: scott.weldon@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607302573
Status: Completed - Case Closed
Status Date: 04/02/2002

Global Id: T0607302573
Status: Open - Case Begin Date
Status Date: 12/07/1998

JET SOURCE, INC. (Continued) **1000205725**

Regulatory Activities:

Global Id:	T0607302573
Action Type:	Other
Date:	12/07/1998
Action:	Leak Began
Global Id:	T0607302573
Action Type:	Other
Date:	12/07/1998
Action:	Leak Discovery
Global Id:	T0607302573
Action Type:	Other
Date:	02/02/1999
Action:	Leak Reported
Global Id:	T0607302573
Action Type:	ENFORCEMENT
Date:	02/17/1999
Action:	Notice of Responsibility
Global Id:	T0607302573
Action Type:	Other
Date:	12/07/1998
Action:	Leak Stopped
Global Id:	T0607302573
Action Type:	RESPONSE
Date:	04/02/2002
Action:	Correspondence

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT110
Local Case:	H20084-001
Substance:	0
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	08/20/1986
Date Stopped:	08/20/1986
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	12/23/86

JET SOURCE, INC. (Continued) **1000205725**

Release Date: 08/25/1986
Enforce Date: Not reported
Closed Date: 12/16/86
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.40
GW Depth: <15
Beneficial Use: No Beneficial groundwater use
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

Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3811
Local Case: H20084-002
Substance: Premium Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/07/1998
Date Stopped: 12/07/1998
Confirm Date: 02/04/1999
Submit Workplan: 2/17/99
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 02/02/1999
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.20
GW Depth: >12'
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H20084-001
Agency: DEH Site Assessment & Mitigation
Funding: Private - VAP

JET SOURCE, INC. (Continued) **1000205725**

Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 12/16/1986
Date Began: 8/25/1986

Case Number: H20084-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 4/2/2002
Date Began: 12/7/1998

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/16/1986
Global Id: T0607300109
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H20084-001
Latitude: 33.1225616
Longitude: -117.2786728
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT110
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:

UST:
Facility ID: H20084
Permitting Agency: SAN DIEGO COUNTY
Latitude: 33.124062
Longitude: -117.2774609

SAN DIEGO CO. HMMD:
Facility Id: 121758
Business Type: 6HK24
EPA Id Number: CAL000205659
APN: 213-020-18-00
Last HMMD Inspection: 12/23/2011
Permit Status: OPEN
Permit Expiration: 06/30/2013
Facility Owner: JET SOURCE, INC
Facility Address: 2056 PALOMAR AIRPORT RD
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92011
UST Owner: JET SOURCE, INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported

JET SOURCE, INC. (Continued) **1000205725**

Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 121758 T010
Last Update: 2012-11-02 14:17:38
Permit Number: 121758
Tank Type: SINGLE WALL
Additional Id: J-WEST
Capacity Gallons: 10000
UST Contents: JET FUEL
Other Content Info: JET FUEL
Reg Status: REMOVED
Remove Close Date: 1998-07-12 00:00:00
Year Installed: 1979-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 11
UST Monitor Method: SW TANK SW SUCTION PIPE W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST TRIENNIALLY

UST Name: UNDERGROUND TANK 121758 T011
Last Update: 2012-11-02 14:17:38
Permit Number: 121758
Tank Type: SINGLE WALL
Additional Id: J-EAST
Capacity Gallons: 10000
UST Contents: JET FUEL
Other Content Info: JET FUEL
Reg Status: REMOVED
Remove Close Date: 1998-07-12 00:00:00
Year Installed: 1979-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 11
UST Monitor Method: SW TANK SW SUCTION PIPE W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST TRIENNIALLY

UST Name: UNDERGROUND TANK 121758 T012
Last Update: 2012-11-02 14:17:38
Permit Number: 121758
Tank Type: DOUBLE WALL
Additional Id: NT2426 (POST JULY 1, 2003 INSTALLATION),RT5695
Capacity Gallons: 25000
UST Contents: JET FUEL
Other Content Info: JET A FUEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 2004-06-15 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

UST Name: UNDERGROUND TANK 121758 T013
Last Update: 2012-11-02 14:17:38

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Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NT2426 (POST JULY 1, 2003 INSTALLATION),RT5695
Capacity Gallons:	25000
UST Contents:	JET FUEL
Other Content Info:	JET A FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2004-06-15 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

UST Name:	UNDERGROUND TANK 121758 T014
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NT2426 (POST JULY 1, 2003 INSTALLATION); RT5562,RT
Capacity Gallons:	20000
UST Contents:	AVIATION FUEL
Other Content Info:	AVGAS
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2004-06-15 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

UST Name:	UNDERGROUND TANK 121758 T015
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NT2426 (POST JULY 1, 2003 INSTALLATION),RT5695
Capacity Gallons:	1000
UST Contents:	OTHER
Other Content Info:	SLOP FUEL: WASTE
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

UST Name:	UNDERGROUND TANK 121758 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NORTH FARM/AT5088
Capacity Gallons:	10000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL

JET SOURCE, INC. (Continued) **1000205725**

Reg Status:	REMOVED
Remove Close Date:	2004-07-14 00:00:00
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NORTH FARM/AT5088
Capacity Gallons:	10000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	2004-07-14 00:00:00
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NT2093 JET A FUEL WASTE/AT5088
Capacity Gallons:	600
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	2004-07-14 00:00:00
Year Installed:	1998-01-01 00:00:00
Pipe Type:	OTHER
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	SO FARM / AT5088
Capacity Gallons:	10000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	REMOVED
Remove Close Date:	2004-07-14 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21

JET SOURCE, INC. (Continued) **1000205725**

UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	SO FARM / AT5088
Capacity Gallons:	10000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	REMOVED
Remove Close Date:	2005-02-02 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	SO FARM /AT5088
Capacity Gallons:	10000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	2005-02-02 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	SO FARM/AT5088
Capacity Gallons:	10000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	2005-02-02 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	121758

JET SOURCE, INC. (Continued) **1000205725**

Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	1966-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 121758 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:

Facility Id:	121758
Update Date:	11/02/2012
Case Number:	109-86-4
Name:	DIETHYLENE MONOMETHYLETHER
Other Information:	PRIEST
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121758
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	PAINT WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121758
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported

JET SOURCE, INC. (Continued) **1000205725**

Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: AVIATION FUEL
Other Information: UNDERGROUND TANK 121758 T014
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121758
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

Facility Id: 121758
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: OIL/FUEL CONTM SPILL DEBR
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: AVGAS, JET FUEL
Other Information: 5000, 5000, 1000 GALLON TRUCKS
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121758

JET SOURCE, INC. (Continued) **1000205725**

Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: 25498-49-1
Name: CLEANERS, MISC W/SODIUM TRIPOLYPHOSPHATE
Other Information: ZEP
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information: ALODINE WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: JP 5 JET FUEL
Other Information: UNDERGROUND TANK 121758 T012
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: BEAD BLASTER WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: JP 5 JET FUEL
Other Information: UNDERGROUND TANK 121758 T013
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE

JET SOURCE, INC. (Continued) **1000205725**

Other Information: SLOP WASTE/FUEL WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER) WASTE
Other Information: WASTE FUEL FILTERSL UST FARM
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 121758
Update Date: 11/02/2012
Inspection Date: 12/23/2011
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

Facility Id: 121758
Update Date: 11/02/2012
Inspection Date: 12/23/2011
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Facility Id: 121758
Update Date: 11/02/2012
Inspection Date: 12/23/2011
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Facility Id: 121758
Update Date: 11/02/2012
Inspection Date: 11/30/2009
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity: ACTIVE

Facility Id: 121758
Update Date: 11/02/2012
Inspection Date: 11/30/2009
Violation Code: 6HV0304

JET SOURCE, INC. (Continued) **1000205725**

Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2005
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3110
Violation:	NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation:	Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
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
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV0237
Violation:	U-WASTE STORED >1 YEAR ONSITE
Violation Citation:	The waste generator did not properly dispose of universal wastes within one year. CCR 66273.35(a)

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Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3157
Violation:	EQUIP. TAMPERING/RECORD FALSIFICATION
Violation Citation:	Monitoring system disabled or tampered with and/or monitoring records falsified. 25299(f)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
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
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/10/2008
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD
Violation Citation:	Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity:	ACTIVE
Facility Id:	121758

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Update Date:	11/02/2012
Inspection Date:	11/10/2008
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
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
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3111
Violation:	CONTIN MONITOR SYSTEM NOT CERT. YRLY
Violation Citation:	Continuous monitoring system not certified annually. 25284.1(a)(4)(C; 2630(d), 2637(b).
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009

JET SOURCE, INC. (Continued) **1000205725**

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
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3164
Violation:	MONITOR EQUIP NOT PER MANUF. SPECS
Violation Citation:	All monitoring equipment not installed, calibrated, operated, and/or maintained per manufacturer instructions. 2638(a), 2641(j)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/10/2008
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:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
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
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE

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Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV5212
Violation:	SPCC PLAN W/O PE CERT/UNLICENSED PE
Violation Citation:	The Spill Prevention Control and Countermeasures Plan is either missing the Professional Engineer certification or the Professional Engineer used was not licensed. 25270.4.5(a), 25270.12(a) [ref. CFR 112.3(d), CFR 112.5(e)]
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional.

JET SOURCE, INC. (Continued) **1000205725**

	2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/10/2008
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
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:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

JET SOURCE, INC. (Continued) **1000205725**

Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV1005
Violation:	HMBP: NO ER CONTACTS LISTED OR CURRENT
Violation Citation:	Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
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
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV5414
Violation:	PORTABLE CONTAINERS IMPROP. POSITIONED
Violation Citation:	The facility is subject to the Aboveground Petroleum Storage Act (APSA) yet portable or mobile containers are not positioned to prevent a discharge. 25270.4.5, 25270.5 & 25270.12(a) [ref. CFR 112.8(c)(11)]
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009

JET SOURCE, INC. (Continued) **1000205725**

Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/10/2008
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Facility Id:	121758
Business Type:	6HK24
EPA Id Number:	CAL000205659
APN:	213-020-18-00
Last HMMD Inspection:	12/23/2011
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	JET SOURCE, INC
Facility Address:	2056 PALOMAR AIRPORT RD
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92011
UST Owner:	JET SOURCE, INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121758 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	SINGLE WALL
Additional Id:	J-WEST
Capacity Gallons:	10000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	REMOVED
Remove Close Date:	1998-07-12 00:00:00
Year Installed:	1979-01-01 00:00:00
Pipe Type:	SINGLE WALL

JET SOURCE, INC. (Continued) **1000205725**

Delivery System:	SUCTION
Monitor Code:	11
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST TRIENNIALLY
UST Name:	UNDERGROUND TANK 121758 T011
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	SINGLE WALL
Additional Id:	J-EAST
Capacity Gallons:	10000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	REMOVED
Remove Close Date:	1998-07-12 00:00:00
Year Installed:	1979-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	11
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST TRIENNIALLY
UST Name:	UNDERGROUND TANK 121758 T012
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NT2426 (POST JULY 1, 2003 INSTALLATION),RT5695
Capacity Gallons:	25000
UST Contents:	JET FUEL
Other Content Info:	JET A FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2004-06-15 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL
UST Name:	UNDERGROUND TANK 121758 T013
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NT2426 (POST JULY 1, 2003 INSTALLATION),RT5695
Capacity Gallons:	25000
UST Contents:	JET FUEL
Other Content Info:	JET A FUEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2004-06-15 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL
UST Name:	UNDERGROUND TANK 121758 T014

JET SOURCE, INC. (Continued) **1000205725**

Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NT2426 (POST JULY 1, 2003 INSTALLATION); RT5562,RT
Capacity Gallons:	20000
UST Contents:	AVIATION FUEL
Other Content Info:	AVGAS
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2004-06-15 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

UST Name:	UNDERGROUND TANK 121758 T015
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NT2426 (POST JULY 1, 2003 INSTALLATION),RT5695
Capacity Gallons:	1000
UST Contents:	OTHER
Other Content Info:	SLOP FUEL: WASTE
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

UST Name:	UNDERGROUND TANK 121758 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NORTH FARM/AT5088
Capacity Gallons:	10000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	REMOVED
Remove Close Date:	2004-07-14 00:00:00
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 121758 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NORTH FARM/AT5088
Capacity Gallons:	10000
UST Contents:	AVIATION FUEL

JET SOURCE, INC. (Continued) **1000205725**

Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	2004-07-14 00:00:00
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	NT2093 JET A FUEL WASTE/AT5088
Capacity Gallons:	600
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	2004-07-14 00:00:00
Year Installed:	1998-01-01 00:00:00
Pipe Type:	OTHER
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	SO FARM / AT5088
Capacity Gallons:	10000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	REMOVED
Remove Close Date:	2004-07-14 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	SO FARM / AT5088
Capacity Gallons:	10000
UST Contents:	JET FUEL
Other Content Info:	JET FUEL
Reg Status:	REMOVED
Remove Close Date:	2005-02-02 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION

JET SOURCE, INC. (Continued) **1000205725**

Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	SO FARM /AT5088
Capacity Gallons:	10000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	2005-02-02 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	DOUBLE WALL
Additional Id:	SO FARM/AT5088
Capacity Gallons:	10000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	2005-02-02 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121758 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	121758
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	1966-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 121758 T009
Last Update:	2012-11-02 14:17:38

JET SOURCE, INC. (Continued) **1000205725**

Permit Number:	121758
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:

Facility Id:	121758
Update Date:	11/02/2012
Case Number:	109-86-4
Name:	DIETHYLENE MONOMETHYLETHER
Other Information:	PRIEST
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121758
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	PAINT WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121758
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121758
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	AVIATION FUEL
Other Information:	UNDERGROUND TANK 121758 T014
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	121758
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information:	BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE

JET SOURCE, INC. (Continued) **1000205725**

Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121758
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

Facility Id: 121758
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: OIL/FUEL CONTM SPILL DEBR
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: AVGAS, JET FUEL
Other Information: 5000, 5000, 1000 GALLON TRUCKS
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: 25498-49-1
Name: CLEANERS, MISC W/SODIUM TRIPOLYPHOSPHATE
Other Information: ZEP
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

JET SOURCE, INC. (Continued) **1000205725**

Facility Id: 121758
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information: ALODINE WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: JP 5 JET FUEL
Other Information: UNDERGROUND TANK 121758 T012
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: BEAD BLASTER WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: JP 5 JET FUEL
Other Information: UNDERGROUND TANK 121758 T013
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: SLOP WASTE/FUEL WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121758
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER) WASTE
Other Information: WASTE FUEL FILTERSL UST FARM
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 121758
Update Date: 11/02/2012

JET SOURCE, INC. (Continued) **1000205725**

Inspection Date:	12/23/2011
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2005
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010

JET SOURCE, INC. (Continued) **1000205725**

Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3110
Violation:	NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation:	Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
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
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV0237
Violation:	U-WASTE STORED >1 YEAR ONSITE
Violation Citation:	The waste generator did not properly dispose of universal wastes within one year. CCR 66273.35(a)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3157
Violation:	EQUIP. TAMPERING/RECORD FALSIFICATION
Violation Citation:	Monitoring system disabled or tampered with and/or monitoring records falsified. 25299(f)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available.

JET SOURCE, INC. (Continued) **1000205725**

	25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
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
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/10/2008
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD
Violation Citation:	Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/10/2008
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
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

JET SOURCE, INC. (Continued) **1000205725**

Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3111
Violation:	CONTIN MONITOR SYSTEM NOT CERT. YRLY
Violation Citation:	Continuous monitoring system not certified annually. 25284.1(a)(4)(C; 2630(d), 2637(b).
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
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
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3164
Violation:	MONITOR EQUIP NOT PER MANUF. SPECS
Violation Citation:	All monitoring equipment not installed, calibrated, operated, and/or maintained per manufacturer instructions. 2638(a), 2641(j)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/10/2008

JET SOURCE, INC. (Continued) **1000205725**

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:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
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
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
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
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV5212
Violation:	SPCC PLAN W/O PE CERT/UNLICENSED PE
Violation Citation:	The Spill Prevention Control and Countermeasures Plan is either missing the Professional Engineer certification or the Professional Engineer used was not licensed. 25270.4.5(a), 25270.12(a) [ref. CFR 112.3(d), CFR 112.5(e)]
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009

JET SOURCE, INC. (Continued) **1000205725**

Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/10/2008
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation

JET SOURCE, INC. (Continued) **1000205725**

	date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	06/27/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE

JET SOURCE, INC. (Continued) **1000205725**

Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV1005
Violation:	HMBP: NO ER CONTACTS LISTED OR CURRENT
Violation Citation:	Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity:	ACTIVE

Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE

Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
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

Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/23/2011
Violation Code:	6HV5414
Violation:	PORTABLE CONTAINERS IMPROP. POSITIONED
Violation Citation:	The facility is subject to the Aboveground Petroleum Storage Act (APSA) yet portable or mobile containers are not positioned to prevent a discharge. 25270.4.5, 25270.5 & 25270.12(a) [ref. CFR 112.8(c)(11)]
Activity:	ACTIVE

Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	11/30/2009
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE

Facility Id:	121758
Update Date:	11/02/2012
Inspection Date:	12/02/2010
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE

Facility Id:	121758
Update Date:	11/02/2012

JET SOURCE, INC. (Continued) **1000205725**

Inspection Date:	11/10/2008
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Facility Id:	120084
Business Type:	6HK50
EPA Id Number:	CAD981367964
APN:	213-020-18-00
Last HMMD Inspection:	02/25/1999
Permit Status:	INAC
Permit Expiration:	06/30/2000
Facility Owner:	CINEMA JET CENTER INC
Facility Address:	2056 PALOMAR AIRPORT RD
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92008-4812
UST Owner:	FRIEDKIN INVESTMENTS
Handle Regulated Hazmat:	Not reported
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

SWEEPS UST:

Status:	Not reported
Comp Number:	20084
Number:	Not reported
Board Of Equalization:	44-022093
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020084-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	AVIA. GAS
Number Of Tanks:	2

Status:	Not reported
Comp Number:	20084
Number:	Not reported
Board Of Equalization:	44-022093
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020084-000002
Tank Status:	Not reported
Capacity:	10000

JET SOURCE, INC. (Continued) **1000205725**

Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: AVIA. GAS
Number Of Tanks: Not reported

Status: Active
Comp Number: 20084
Number: 9
Board Of Equalization: 44-022093
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020084-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: JET FUEL
Number Of Tanks: 4

Status: Active
Comp Number: 20084
Number: 9
Board Of Equalization: 44-022093
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020084-000004
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: JET FUEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 20084
Number: 9
Board Of Equalization: 44-022093
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020084-000005
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: AVIA. GAS
Number Of Tanks: Not reported

JET SOURCE, INC. (Continued) **1000205725**

Status:	Active
Comp Number:	20084
Number:	9
Board Of Equalization:	44-022093
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020084-000006
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	AVIA. GAS
Number Of Tanks:	Not reported

CHMIRS:

OES Incident Number:	12-7438
OES notification:	12/05/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm Drain
Spill Site:	Airport
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1031

JET SOURCE, INC. (Continued) **1000205725**

Year:	2012
Agency:	County of San Diego Public Works
Incident Date:	12/5/2012
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Storm Drain
E Date:	Not reported
Substance:	Jet A Fuel
Quantity Released:	8-May
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Accidental release by the pilot caused this release, with part of it going into a storm drain. County Storm Water are responding to determine further cleaning for the Storm Drain.
OES Incident Number:	15-1416
OES notification:	03/12/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

JET SOURCE, INC. (Continued) **1000205725**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm drain
Spill Site:	Airport
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1245
Year:	2015
Agency:	McClellan Palomar Airport
Incident Date:	03/12/2015
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Storm drain
E Date:	Not reported
Substance:	Jet Fuel
Quantity Released:	2
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Caller states an aircraft was fueling on an incline and 2 gallons of jet fuel released from the opposite side wing onto concrete and 1 gallon entered a storm drain. A contractor is enroute to handle the clean up.

FINDS:

Registry ID: 110002682295

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

JET SOURCE, INC. (Continued) **1000205725**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT110

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3811

ECHO:

Envid:	1000205725
Registry ID:	110002682295
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110002682295

C18 **PRO TEC FIRE SERVICE** **CA LUST** **S102862490**
2188 PALOMAR AIRPORT RD **CA San Diego Co. HMMD** **N/A**
< 1/8 **CARLSBAD, CA 92008** **CA HIST CORTESE**
0.001 mi.
4 ft. **Site 5 of 7 in cluster C**

Relative: Higher

Actual: 313 ft.

LUST:

Region:	STATE
Global Id:	T0607302335
Latitude:	33.125700349
Longitude:	-117.277238598
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/06/2015
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3567
LOC Case Number:	H21741-001
File Location:	Regional Board
Potential Media Affect:	Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern:	Aviation, Gasoline
Site History:	Two approximately 10,000-gallon, steel underground storage tanks (USTs) were formerly present at the Site and were used to store Jet-A fuel (TPHj) and aviation gasoline (TPHa) (USTs 1 and 2, respectively). Petroleum release was discovered during USTs removal on November 12, 1997. Site assessment is still ongoing. For more detailed site history, see Site Assessment Activities report, dated July 12, 2007 in the Site Documents tab.

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

Status History:

Global Id:	T0607302335

PRO TEC FIRE SERVICE (Continued) **S102862490**

Status: Completed - Case Closed
Status Date: 02/06/2015

Global Id: T0607302335
Status: Open
Status Date: 11/12/1997

Global Id: T0607302335
Status: Open - Assessment & Interim Remedial Action
Status Date: 05/03/2012

Global Id: T0607302335
Status: Open - Case Begin Date
Status Date: 11/12/1997

Global Id: T0607302335
Status: Open - Eligible for Closure
Status Date: 07/23/2013

Global Id: T0607302335
Status: Open - Site Assessment
Status Date: 04/08/2009

Regulatory Activities:
Global Id: T0607302335
Action Type: Other
Date: 11/12/1997
Action: Leak Began

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 02/09/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 06/03/2013
Action: Notification - Fee Title Owners Notice

Global Id: T0607302335
Action Type: RESPONSE
Date: 03/05/2008
Action: Well Installation Workplan

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 03/12/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 12/13/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302335
Action Type: RESPONSE
Date: 01/30/2008

PRO TEC FIRE SERVICE (Continued) **S102862490**

Action: Monitoring Report - Quarterly

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 03/08/2007
Action: Referral to Regional Board

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 10/17/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 11/02/2007
Action: Verbal Enforcement

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 11/02/2007
Action: Staff Letter

Global Id: T0607302335
Action Type: RESPONSE
Date: 11/01/2010
Action: Well Installation Report

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 02/06/2015
Action: Closure/No Further Action Letter

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 09/25/2014
Action: Email Correspondence

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 10/05/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302335
Action Type: Other
Date: 11/12/1997
Action: Leak Discovery

Global Id: T0607302335
Action Type: RESPONSE
Date: 01/30/2011
Action: Correspondence

Global Id: T0607302335
Action Type: Other
Date: 11/17/1997
Action: Leak Reported

PRO TEC FIRE SERVICE (Continued) **S102862490**

Global Id: T0607302335
Action Type: RESPONSE
Date: 07/12/2007
Action: Other Report / Document

Global Id: T0607302335
Action Type: RESPONSE
Date: 10/26/2012
Action: Correspondence

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 08/15/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302335
Action Type: RESPONSE
Date: 07/30/2007
Action: Other Report / Document

Global Id: T0607302335
Action Type: RESPONSE
Date: 04/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0607302335
Action Type: RESPONSE
Date: 07/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 06/04/2013
Action: Notification - Public Notice of Case Closure

Global Id: T0607302335
Action Type: Other
Date: 11/12/1997
Action: Leak Stopped

Global Id: T0607302335
Action Type: RESPONSE
Date: 03/14/2007
Action: Correspondence

Global Id: T0607302335
Action Type: ENFORCEMENT
Date: 02/25/2010
Action: Meeting

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT3567
Local Case: H21741-001
Substance: Premium Gasoline

PRO TEC FIRE SERVICE (Continued) **S102862490**

Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 11/12/1997
Date Stopped: 11/12/1997
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 11/18/1997
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 11/12/1997
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.40
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 121742
Business Type: 6HK52
EPA Id Number: CAL000008651
APN: DEH-121742
Last HMMD Inspection: 04/15/1998
Permit Status: INAC
Permit Expiration: 04/15/1998
Facility Owner: NORMAN WATERMOLLEN
Facility Address: 2138 PALOMAR AIRPORT RD
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92008-
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

HIST CORTESE:
Region: CORTESE

PRO TEC FIRE SERVICE (Continued) **S102862490**

Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3567

C19 **AIR RESORTS AIRLINES** **CA SAN DIEGO CO. SAM** **S106061885**
2188 PALOMAR AIRPORT RD **CA San Diego Co. HMMD** **N/A**
< 1/8 **CARLSBAD, CA 92008**
0.001 mi.
4 ft. **Site 6 of 7 in cluster C**

Relative:
Higher

Actual:
313 ft.

SAN DIEGO CO. SAM:
Case Number: H21741-001
Agency: CA Regional Water Quality Control Board
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 5/12/2005
Date Began: 11/12/1997

SAN DIEGO CO. HMMD:
Facility Id: 121741
Business Type: 6HK50
EPA Id Number: CAL000001478
APN: 213-020-18-00
Last HMMD Inspection: 09/19/1996
Permit Status: INAC
Permit Expiration: 04/30/1998
Facility Owner: TED VALLAS
Facility Address: 2192 PALOMAR AIRPORT RD #H
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92008-4814
UST Owner: AIR RESORTS
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 121741 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 121741
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 10000
UST Contents: AVIATION FUEL
Other Content Info: AVIATION FUEL
Reg Status: REMOVED
Remove Close Date: 1997-12-11 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 26
UST Monitor Method: EXTERNAL MONITORING: MONTHLY (MINIMUM) GROUND WATER MONITORING

UST Name: UNDERGROUND TANK 121741 T002

AIR RESORTS AIRLINES (Continued) **S106061885**

Last Update:	2012-11-02 14:17:38
Permit Number:	121741
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	INVALID CODE
Reg Status:	REMOVED
Remove Close Date:	1997-12-11 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	26
UST Monitor Method:	EXTERNAL MONITORING: MONTHLY (MINIMUM) GROUND WATER MONITORING

C20 **EDR Hist Cleaner** **1015019853**
SE **2199 PALOMAR AIRPORT RD** **N/A**
< 1/8 **CARLSBAD, CA 92011**
0.020 mi.
104 ft. **Site 7 of 7 in cluster C**

Relative:
Higher

Actual:
313 ft.

EDR Historical Cleaners:

Name:	ABRAM ORIENTAL RUG CLEANING
Year:	2010
Address:	2199 PALOMAR AIRPORT RD

D21 **CARLSBAD MUNICIPAL WATER DIST** **RCRA-SQG** **1001195368**
ENE **5950 EL CAMINO REAL** **CA San Diego Co. HMMD** **CAR000019364**
< 1/8 **CARLSBAD, CA 92008** **CA SWEEPS UST**
0.024 mi. **FINDS**
127 ft. **Site 1 of 6 in cluster D** **CA HAZNET**
ECHO

Relative:
Lower

Actual:
301 ft.

RCRA-SQG:

Date form received by agency:	04/25/1997
Facility name:	CARLSBAD MUNICIPAL WATER DIST
Facility address:	5950 EL CAMINO REAL CARLSBAD, CA 92008
EPA ID:	CAR000019364
Contact:	BRYAN TROUPE
Contact address:	5950 EL CAMINO REAL CARLSBAD, CA 92008
Contact country:	US
Contact telephone:	(619) 438-2722
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:	CARLSBAD MUNICIPAL WATER DIST

CARLSBAD MUNICIPAL WATER DIST (Continued) **1001195368**

Owner/operator address: 5950 EL CAMINO REAL
CARLSBAD, CA 92008
Owner/operator country: Not reported
Owner/operator telephone: (619) 438-2722
Legal status: Municipal
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

Historical Generators:
Date form received by agency: 04/25/1997
Site name: CARLSBAD MUNICIPAL WATER DIST
Classification: Small Quantity Generator

Violation Status: No violations found

SAN DIEGO CO. HMMD:
Facility Id: 103278
Business Type: 6HK52
EPA Id Number: CAC002643357
APN: 209-050-25-00
Last HMMD Inspection: 06/03/2010
Permit Status: OPEN
Permit Expiration: 05/31/2013
Facility Owner: CITY OF CARLSBAD
Facility Address: 5950 EL CAMINO REAL
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92008-8802
UST Owner: COSTA REAL MUNICIPAL WATER DIS
Handle Regulated Hazmat: Not reported
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

UST:
UST Name: UNDERGROUND TANK 103278 T001
Last Update: 2012-11-02 14:17:38

CARLSBAD MUNICIPAL WATER DIST (Continued) **1001195368**

Permit Number:	103278
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1990-12-01 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

Active Permits:

Facility Id:	103278
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	ACETYLENE GAS: CUTTING TROCHES
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	103278
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ABSORBENT/ SPILLS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

SWEEPS UST:

Status:	Not reported
Comp Number:	3278
Number:	Not reported
Board Of Equalization:	44-021826
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003278-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

Status:	Active
Comp Number:	3278
Number:	9

CARLSBAD MUNICIPAL WATER DIST (Continued) **1001195368**

Board Of Equalization: 44-021826
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

FINDS:

Registry ID: 110002917103

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

HAZNET:

envid: 1001195368
Year: 2012
GEPAID: CAR000019364
Contact: CLAYTON DOBBS
Telephone: 7604382722
Mailing Name: Not reported
Mailing Address: 5950 EL CAMINO REAL
Mailing City,St,Zip: CARLSBAD, CA 920088802
Gen County: San Diego
TSD EPA ID: CAD028409019
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: 0.834
Cat Decode: Not reported
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

envid: 1001195368
Year: 2004
GEPAID: CAR000019364
Contact: CARLSBAD MUNICIPAL WATER DIST
Telephone: 6194382722
Mailing Name: Not reported
Mailing Address: 5950 EL CAMINO REAL
Mailing City,St,Zip: CARLSBAD, CA 920088802

CARLSBAD MUNICIPAL WATER DIST (Continued) **1001195368**

Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Transfer Station
Tons: 0.04
Cat Decode: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Decode: Transfer Station
Facility County: San Diego

envid: 1001195368
Year: 2003
GEPAID: CAR000019364
Contact: CARLSBAD MUNICIPAL WATER DIST
Telephone: 6194382722
Mailing Name: Not reported
Mailing Address: 5950 EL CAMINO REAL
Mailing City,St,Zip: CARLSBAD, CA 920088802
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Transfer Station
Tons: 0.04
Cat Decode: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Decode: Transfer Station
Facility County: San Diego

envid: 1001195368
Year: 2002
GEPAID: CAR000019364
Contact: CARLSBAD MUNICIPAL WATER DIST
Telephone: 6194382722
Mailing Name: Not reported
Mailing Address: 5950 EL CAMINO REAL
Mailing City,St,Zip: CARLSBAD, CA 920088802
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Transfer Station
Tons: 0.04
Cat Decode: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Decode: Transfer Station
Facility County: San Diego

envid: 1001195368
Year: 1998
GEPAID: CAR000019364
Contact: CARLSBAD MUNICIPAL WATER DIST
Telephone: 6194382722
Mailing Name: Not reported
Mailing Address: 5950 EL CAMINO REAL
Mailing City,St,Zip: CARLSBAD, CA 920088802
Gen County: Not reported
TSD EPA ID: CAD044429835
TSD County: Not reported

CARLSBAD MUNICIPAL WATER DIST (Continued) **1001195368**

Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Tons: 1.3000
Cat Decode: Other inorganic solid waste
Method Decode: Disposal, Other
Facility County: San Diego

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

ECHO:
Envid: 1001195368
Registry ID: 110002917103
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002917103

D22 **COSTA REAL MUNICIPAL WATER DIS** **CA HIST UST** **1000395357**
ENE **5950 EL CAMINO REAL** **CA ENF** **N/A**
< 1/8 **CARLSBAD, CA 92008**
0.024 mi.
127 ft. **Site 2 of 6 in cluster D**

Relative:
Lower

Actual:
301 ft.

HIST UST:
File Number: 0002B00E
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B00E.pdf
Region: STATE
Facility ID: 00000038781
Facility Type: Other
Other Type: PUBLIC AGENCY (WATER
Contact Name: KURT MUSSER
Telephone: 6194382722
Owner Name: COSTA REAL MUNICIPAL WATER DIS
Owner Address: 5950 EL CAMINO REAL
Owner City,St,Zip: CARLSBAD, CA 92008
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

ENF:
Region: 9
Facility Id: 643383
Agency Name: Carlsbad MWD
Place Type: Utility
Place Subtype: Collection_System
Facility Type: Municipal/Domestic
Agency Type: Special District
Of Agencies: 1
Place Latitude: 33.133472
Place Longitude: -117.269869

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	8.64
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	WDR
# Of Programs:	1
WDID:	9 000000743
Reg Measure Id:	213927
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2007-0005
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:	04/15/2014
Effective Date:	05/09/1996
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	254237
Region:	9
Order / Resolution Number:	R9-2004-0456
Enforcement Action Type:	Notice of Violation

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Effective Date:	12/17/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/17/2004
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000743
Description:	NOV issued for 675 gallon SSO, 450 of which reached Agua Hedondia Lagoon.
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	8.64
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	WDR
# Of Programs:	1

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

WDID:	9 000000743
Reg Measure Id:	213927
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2007-0005
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:	04/15/2014
Effective Date:	05/09/1996
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	252742
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/30/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/30/2004
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000743
Description:	2 SSOs during the April- June 2004 quarter
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	8.64
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	WDR
# Of Programs:	1
WDID:	9 000000743
Reg Measure Id:	213927
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2007-0005
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:	04/15/2014
Effective Date:	05/09/1996
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Enforcement Id(EID):	251777
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	07/14/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	07/14/2004
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000743
Description:	SSO
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	8.64
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Program Category1:	SSO
Program Category2:	WDR
# Of Programs:	1
WDID:	9 000000743
Reg Measure Id:	213927
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2007-0005
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:	04/15/2014
Effective Date:	05/09/1996
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	251643
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	03/12/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	03/12/2004
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000743
Description:	sel issued for 3 sso's from city of carlsbad's collection system during the october-december 2003 reporting period.
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00
Region:	9
Facility Id:	643383

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	8.64
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	WDR
# Of Programs:	1
WDID:	9 000000743
Reg Measure Id:	213927
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2007-0005
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:	04/15/2014
Effective Date:	05/09/1996
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Status Enrollee:	Y
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	249465
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	06/06/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/06/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000743
Description:	NOV R9-2002-0163 for 6,000 gallon overflow on May 30, 200. 5,500 gallons reached surface waters; signs posted.
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	8.64
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	WDR
# Of Programs:	1
WDID:	9 000000743
Reg Measure Id:	213927
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2007-0005
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:	04/15/2014
Effective Date:	05/09/1996
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	249463
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	07/31/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	07/31/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000743
Description:	Letter sent to agency acknowledging 5 SSO violations reported in their April - June 2002 Quarterly SSO report
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00
Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	8.64
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	WDR
# Of Programs:	1
WDID:	9 000000743
Reg Measure Id:	213927
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2007-0005
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:	04/15/2014
Effective Date:	05/09/1996
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

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:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	248840
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	01/04/2002
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 000000743
Description:	13267 letter (RTR) for complaint of sewage odors near rv park
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Source Of Facility:	Reg Meas
Design Flow:	8.64
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	WDR
# Of Programs:	1
WDID:	9 000000743
Reg Measure Id:	213927
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2007-0005
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:	04/15/2014
Effective Date:	05/09/1996
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	245334
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	02/28/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	02/28/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000743
Description:	SEL issued for 4 sanitary sewer overflows during the October-December 2002 reporting period.
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00
Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	8.64
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	WDR
# Of Programs:	1
WDID:	9 000000743
Reg Measure Id:	213927
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2007-0005
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

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Status Date:	04/15/2014
Effective Date:	05/09/1996
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	242822
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/22/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/22/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000743
Description:	Response letter for the Jan-Mar 2003 and Apr-Jun 2003 SSO quarterly reports. A 50-gallon spill occurred on May 14. No other public spills. 2 private spills reported in each quater.
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

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:	8.64
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	WDR
# Of Programs:	1
WDID:	9 000000743
Reg Measure Id:	213927
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2007-0005
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:	04/15/2014
Effective Date:	05/09/1996
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	235204
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	11/22/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/22/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Status:	Historical
Title:	Enforcement - 9 000000743
Description:	Letter sent to agency acknowledging 3 SSO violations which were reported in the July-Sept 2000 Quarterly SSO report.
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00
Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	8.64
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	WDR
# Of Programs:	1
WDID:	9 000000743
Reg Measure Id:	213927
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2007-0005
Npdes# CA#:	Not reported

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

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:	04/15/2014
Effective Date:	05/09/1996
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	234740
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/21/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/21/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000743
Description:	Letter sent to agency acknowledging 1 SSO violation reported in their April - June 2000 Quarterly SSO report
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00
Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	8.64
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	WDR
# Of Programs:	1
WDID:	9 000000743
Reg Measure Id:	213927
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2007-0005
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:	04/15/2014
Effective Date:	05/09/1996
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	234381
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	04/13/2000

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	04/13/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000743
Description:	Letter sent to District acknowleding four violations which were reported in their Jan-Mar 2000 quarterly SSO report.
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	SSO
# Of Programs:	1
WDID:	9SSO11209

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Reg Measure Id:	315572
Reg Measure Type:	Enrollee
Region:	9
Order #:	2006-0003-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4676
Status:	Active
Status Date:	10/27/2010
Effective Date:	03/15/2007
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	392902
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	09/05/2013
Adoption/Issuance Date:	09/05/2013
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	SEL for CARLSBAD MWD
Description:	Not reported
Program:	SSOMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	SSO
# Of Programs:	1
WDID:	9SSO11209
Reg Measure Id:	315572
Reg Measure Type:	Enrollee
Region:	9
Order #:	2006-0003-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4676
Status:	Active
Status Date:	10/27/2010
Effective Date:	03/15/2007
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	383425

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	03/15/2012
Adoption/Issuance Date:	03/15/2012
Achieve Date:	Not reported
Termination Date:	03/15/2012
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for Carlsbad MWD
Description:	Category 1, SSO April- December 2011
Program:	SSOMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Program Category2:	SSO
# Of Programs:	1
WDID:	9SSO11209
Reg Measure Id:	315572
Reg Measure Type:	Enrollee
Region:	9
Order #:	2006-0003-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4676
Status:	Active
Status Date:	10/27/2010
Effective Date:	03/15/2007
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	377343
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	02/22/2011
Adoption/Issuance Date:	02/22/2011
Achieve Date:	Not reported
Termination Date:	02/22/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for Carlsbad MWD
Description:	CAT 1 spills 07/2010 through 12/31/2010
Program:	SSOMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00
Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	SSO
# Of Programs:	1
WDID:	9SSO11209
Reg Measure Id:	315572
Reg Measure Type:	Enrollee
Region:	9
Order #:	2006-0003-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4676
Status:	Active
Status Date:	10/27/2010
Effective Date:	03/15/2007
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	376222
Region:	9
Order / Resolution Number:	R9-2010-0142
Enforcement Action Type:	13267 Letter
Effective Date:	10/18/2010
Adoption/Issuance Date:	10/18/2010
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Investigative Order R9-2010-0142
Description:	IO in response to 252,000 gallon sewage spill from Encina WasteWater Authority into Encinas Creek, Calrsbad CA.
Program:	SSOMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	SSO
# Of Programs:	1
WDID:	9SSO11209
Reg Measure Id:	315572
Reg Measure Type:	Enrollee
Region:	9
Order #:	2006-0003-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4676
Status:	Active
Status Date:	10/27/2010
Effective Date:	03/15/2007
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	375422
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/17/2010
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/17/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for Carlsbad MWD
Description:	Not reported
Program:	SSOMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

Region:	9
Facility Id:	643383
Agency Name:	Carlsbad MWD
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	33.133472
Place Longitude:	-117.269869
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNILRG
Program Category1:	SSO
Program Category2:	SSO
# Of Programs:	1
WDID:	9SSO11209
Reg Measure Id:	315572
Reg Measure Type:	Enrollee
Region:	9
Order #:	2006-0003-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4676
Status:	Active
Status Date:	10/27/2010
Effective Date:	03/15/2007
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported

COSTA REAL MUNICIPAL WATER DIS (Continued) **1000395357**

WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	323828
Region:	9
Order / Resolution Number:	R9-2007-0060
Enforcement Action Type:	13267 Letter
Effective Date:	04/06/2007
Adoption/Issuance Date:	04/06/2007
Achieve Date:	2007-04-23
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	13267 Investigative Order
Description:	Request for Technical Report for 7 MG Buena Vista Lagoon Sewage Spill.
Program:	SSOMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

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23 **L 3 PHOTONICS** **RCRA-SQG** **1016140016**
NNE **5957 LANDAU CT** **FINDS** **CAR000235994**
< 1/8 **CARLSBAD, CA 92008** **ECHO**
0.025 mi.
130 ft.

Relative:
Lower

Actual:
304 ft.

RCRA-SQG:

Date form received by agency:	02/26/2013
Facility name:	L 3 PHOTONICS
Facility address:	5957 LANDAU CT CARLSBAD, CA 92008
EPA ID:	CAR000235994
Contact:	JASON D PATTON
Contact address:	5957 LANDAU CT CARLSBAD, CA 92008
Contact country:	US
Contact telephone:	760-431-6800
Telephone ext.:	3396
Contact email:	JASON.PATTON@L-3COM.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

L 3 PHOTONICS (Continued) **1016140016**

Owner/Operator Summary:
Owner/operator name: L-3 PHOTONICS
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/01/1994
Owner/Op end date: Not reported

Owner/operator name: L 3 COMMUNICATIONS
Owner/operator address: 600 3RD AVE
NEW YORK, NY 10016
Owner/operator country: US
Owner/operator telephone: 212-697-1111
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/01/1994
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: 122
. Waste name: 122

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 331
. Waste name: 331

L 3 PHOTONICS (Continued) **1016140016**

. Waste code: 352
. Waste name: 352

. Waste code: 551
. Waste name: 551

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. 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.

. Waste code: U008
. Waste name: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)

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

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Violation Status: No violations found

FINDS:

L 3 PHOTONICS (Continued) **1016140016**

Registry ID: 110055438325

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.

ECHO:
Envid: 1016140016
Registry ID: 110055438325
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110055438325

D24 **PALOMAR TRANSFER STATION INCORPORATED** **RCRA-SQG** **1006805217**
ENE **5960 EL CAMINO REAL** **CA SWF/LF** **CAR000124792**
< 1/8 **CARLSBAD, CA 92008** **CA LUST**
0.036 mi. **CA SWRCY**
191 ft. **Site 3 of 6 in cluster D** **FINDS**
CA HAZNET
Relative: **CA NPDES**
Lower **ECHO**

Actual: **292 ft.**

RCRA-SQG:
Date form received by agency: 08/09/2002
Facility name: PALOMAR TRANSFER STATION INC
Facility address: 5960 EL CAMINO REAL
E SIDE OF MAIN BLDG
CARLSBAD, CA 92008
EPA ID: CAR000124792
Mailing address: 8514 MAST BLVD
SANTEE, CA 92008
Contact: DEANNA BOSHEARS
Contact address: 8514 MAST BLVD
SANTEE, CA 92008
Contact country: US
Contact telephone: (619) 596-1565
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: PALOMAR TRANSFER STATION INC
Owner/operator address: 8514 MAST BLVD
SANTEE, CA 92008
Owner/operator country: Not reported
Owner/operator telephone: (619) 596-1565
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

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: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. 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: D011
. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D020
. Waste name: CHLORDANE

. Waste code: D026
. Waste name: CRESOL

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste 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: F004
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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.

Violation Status: No violations found

SWF/LF (SWIS):
Region: STATE

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

Facility ID: 37-AA-0966
Lat/Long: 33.134820 / -117.26643
Owner Name: County of San Diego, DWP Airports
Owner Telephone: 6199564806
Owner Address: Tim Caulder
Owner Address2: 1960 Joe Crosson Drive
Owner City,St,Zip: El Cajon, CA 92020
Operational Status: Active
Operator: Coast Waste Management, Inc.
Operator Phone: 7602687108
Operator Address: Ken Ryan, District Manager
Operator Address2: 5960 El Camino Real
Operator City,St,Zip: Carlsbad, CA 92008
Permit Date: 08/22/2014
Permit Status: Notification
Permitted Acreage: $11.00
Activity: Limited Volume Transfer Operation
Regulation Status: Notification
Landuse Name: Suburban,Residential,Commercial
GIS Source: External
Category: Transfer/Processing
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Mixed municipal
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 37-AA-0966
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 15
Actual Throughput with Units: Tons/day
Permitted Capacity with Units: 1560
Remaining Capacity: Not reported
Remaining Capacity with Units: Tons/year
Lat/Long: 33.134820 / -117.26643

Region: STATE
Facility ID: 37-AH-0001
Lat/Long: 33.132840 / -117.26941
Owner Name: County of San Diego, Airport Division
Owner Telephone: 6199864800
Owner Address: Peter Drinkwater
Owner Address2: 1960 Joe Crosson Drive
Owner City,St,Zip: El Cajon, CA 92020
Operational Status: Active
Operator: Palomar Transfer Station, Inc.
Operator Phone: 6194499156
Operator Address: Allied Waste Industries, Jim Ambroso
Operator Address2: 8514 Mast Blvd.
Operator City,St,Zip: Santee, CA 92145
Permit Date: 12/02/2015
Permit Status: Permitted
Permitted Acreage: $11.00
Activity: Large Volume Transfer/Proc Facility
Regulation Status: Permitted
Landuse Name: Industrial

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

GIS Source: Map
Category: Transfer/Processing
Unit Number: 01
Inspection Frequency: Monthly
Accepted Waste: Construction/demolition,Green Materials,Industrial,Mixed municipal
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 37-AH-0001
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 2250
Actual Throughput with Units: Tons/day
Permitted Capacity with Units: 1066
Remaining Capacity: Not reported
Remaining Capacity with Units: Tons
Lat/Long: 33.132840 / -117.26941

LOS ANGELES CO. LF:
Site ID: 2724
Alt. Address: N/A
Site Contact: Not reported
Site Contact Phone: (619) 449-9156
Site Email: trashservice@carlsbadca.gov
Site Website: http://www.carlsbadca.gov/SERVICES/ENVIRONMENTAL/TRASH/RECYCLING/Pages/Residenti
Site Type: Out-of-County Facility
Site SWIS Number: 37-AH-0001
Beginning Operation Date: N/A
Ending Operation Date: N/A
Local Enforcement Agency: County of San Diego Department of Environmental Health
Maximun Depth Fill(Ft): Not reported
Permitted Capacity: 800
Present Use: Large Volume Transfer/Proc Facility
Remaining Capacity(Million): N/A
Status: Active
Waste Accepted: Green Materials;
Hours of Operation: Tuesday Saturday 8 a.m. 4 p.m.; closed Noon 12:40 p.m
Disposal Area (Acre): Not reported

Detail As Of 01/2014:
Operator Name: Unknown
Operator Address: Not reported
Operator City/State/Zip: Not reported
Operator Contact: Not reported
Operator Telephone: Not reported
Operator Email: Not reported
Owner Name: Unknown
Owner Address: Not reported
Owner City/State/Zip: Not reported
Owner Contact: Not reported
Owner Telephone: Not reported
Owner Email: Not reported

SAN DIEGO CO. LF:
Facility Status: ACTIVE SITES
Operational Status: ACTIVE
Region: SAN DIEGO

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

SWIS Number: 37-AH-0001
Owner Name: PALOMAR TRANSFER INC
Operator: ALLIED WASTE INDUSTRIES, INC
Facility Type: MAJOR AND MINOR LARGE VOLUME TRANSFER/PROCESSING
Facility Type2: TRANSFER STATION MAJOR
PERMTIER: FULL
Inspection Frequency: MONTHLY

Facility Status: ACTIVE SITES
Operational Status: ACTIVE
Region: SAN DIEGO
SWIS Number: 37-AA-0966
Owner Name: WASTE MANAGEMENT
Operator: WASTE MANAGEMENT OF NORTH COUNTY
Facility Type: LIMITED VOLUME TRANSFER OPERATIONS/ SEALED CONTAINER TRANSFER OPERATION/ SMALL VOLUME CDI PROCESSING/ENGINEERING FILL
Facility Type2: TRANSFER OPERATION
PERMTIER: EA NOTIFICATION
Inspection Frequency: QUARTERY

LUST:
Region: STATE
Global Id: T0607302662
Latitude: 33.1327824
Longitude: -117.2697599
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/23/2000
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: SW
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT3902
LOC Case Number: H10634-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

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

Contact:
Global Id: T0607302662
Contact Type: Local Agency Caseworker
Contact Name: SCOTT WELDON
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: scott.weldon@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607302662
Status: Completed - Case Closed
Status Date: 10/23/2000

Global Id: T0607302662
Status: Open - Case Begin Date

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

Status Date: 04/12/1999

Regulatory Activities:

Global Id: T0607302662
Action Type: Other
Date: 04/12/1999
Action: Leak Began

Global Id: T0607302662
Action Type: Other
Date: 04/12/1999
Action: Leak Discovery

Global Id: T0607302662
Action Type: Other
Date: 04/12/1999
Action: Leak Reported

SWRCY:

Reg Id: 27260
Cert Id: RC2760
Mailing Address: 2141 Oceanside Blvd
Mailing City: Oceanside
Mailing State: CA
Mailing Zip Code: 92054
Website: Not reported
Email: rscott@wm.com
Phone Number: (760) 929-9400
Grand Father: N
Rural: N
Operation Begin Date: 11/04/1988
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Agency: N/A
Monday Hours Of Operation: CLOSED
Tuesday Hours Of Operation: 8:00 am - 4:00 pm; Closed 12:00 pm - 12:40 pm
Wednesday Hours Of Operation: 8:00 am - 4:00 pm; Closed 12:00 pm - 12:40 pm
Thursday Hours Of Operation: 8:00 am - 4:00 pm; Closed 12:00 pm - 12:40 pm
Friday Hours Of Operation: 8:00 am - 4:00 pm; Closed 12:00 pm - 12:40 pm
Saturday Hours Of Operation: 8:00 am - 4:00 pm; Closed 12:00 pm - 12:40 pm
Sunday Hours Of Operation: CLOSED
Organization ID: 18934
Organization Name: Coast Waste Management Inc

FINDS:

Registry ID: 110013291455

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.

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

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

HAZNET:

envid:	1006805217
Year:	2013
GEPAID:	CAR000124792
Contact:	Tyler Overton
Telephone:	6194499579
Mailing Name:	Not reported
Mailing Address:	1700 Maxwell Road
Mailing City,St,Zip:	Chula Vista, CA 919110000
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:	0.0375
Cat Decode:	Not reported
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Not reported

envid:	1006805217
Year:	2012
GEPAID:	CAR000124792
Contact:	TOM GARDNER, ENVIRONMENTAL MGR
Telephone:	6194499156
Mailing Name:	Not reported
Mailing Address:	8514 Mast Blvd
Mailing City,St,Zip:	Santee, CA 920080000
Gen County:	San Diego
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.0075
Cat Decode:	Not reported
Method Decode:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	San Diego

envid:	1006805217
Year:	2012
GEPAID:	CAR000124792
Contact:	TOM GARDNER, ENVIRONMENTAL MGR
Telephone:	6194499156
Mailing Name:	Not reported
Mailing Address:	8514 Mast Blvd
Mailing City,St,Zip:	Santee, CA 920080000

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

Gen County: San Diego
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.075
Cat Decode: Not reported
Method Decode: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: San Diego

envid: 1006805217
Year: 2011
GEPAID: CAR000124792
Contact: TOM GARDNER, ENVIRONMENTAL MGR
Telephone: 6194499156
Mailing Name: Not reported
Mailing Address: 8514 Mast Blvd
Mailing City,St,Zip: Santee, CA 920080000
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Household waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.0375
Cat Decode: Household waste
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: San Diego

envid: 1006805217
Year: 2010
GEPAID: CAR000124792
Contact: TOM GARDNER, ENVIRONMENTAL MGR
Telephone: 6194499156
Mailing Name: Not reported
Mailing Address: 8514 Mast Blvd
Mailing City,St,Zip: Santee, CA 920080000
Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Household waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.001
Cat Decode: Household waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

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

NPDES:
Npdes Number: Not reported

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	218635
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I014374
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:	5/9/2008
PROCESSED DATE:	7/10/1998
STATUS CODE NAME:	Active
STATUS DATE:	7/10/1998
PLACE SIZE:	10
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Conrad Pawelski
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	760-929-9400
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Coast Waste Management Inc
OPERATOR ADDRESS:	PO Box 947
OPERATOR CITY:	Carlsbad
OPERATOR STATE:	California
OPERATOR ZIP:	92018
OPERATOR CONTACT NAME:	Ken Ryan
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	760-754-4131
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
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:	760-929-9400
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

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

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:	Agua Edionda
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	4225-General Warehousing and Storage
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:	327161
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C347730
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:	2/10/2009
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	6/28/2007
STATUS CODE NAME:	Terminated
STATUS DATE:	2/10/2009
PLACE SIZE:	203
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Rodrigo Huertero
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	760-603-0153
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	San Diego Cnty Dept of Public Works
OPERATOR ADDRESS:	1960 Joe Crosson Dr
OPERATOR CITY:	El Cajon
OPERATOR STATE:	California
OPERATOR ZIP:	92020
OPERATOR CONTACT NAME:	Eric Nelson
OPERATOR CONTACT TITLE:	Airport Engineer
OPERATOR CONTACT PHONE:	619-956-4825
OPERATOR CONTACT PHONE EXT:	Not reported

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	County Agency
DEVELOPER NAME:	Carlsbad City
DEVELOPER ADDRESS:	1635 Faraday Ave
DEVELOPER CITY:	Carlsbad
DEVELOPER STATE:	California
DEVELOPER ZIP:	92008
DEVELOPER CONTACT NAME:	Patrick Vaughan
DEVELOPER CONTACT TITLE:	Deputy City Engineer
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	619-945-7282
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:	Y
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:	218930
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I018454
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:	5/9/2008

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

PROCESSED DATE:	11/4/2003
STATUS CODE NAME:	Active
STATUS DATE:	11/4/2003
PLACE SIZE:	7
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	RODRIGO Huertero
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	7606030153
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Palomar Transfer Station Inc
OPERATOR ADDRESS:	8514 Mast Blvd
OPERATOR CITY:	Santee
OPERATOR STATE:	California
OPERATOR ZIP:	92071
OPERATOR CONTACT NAME:	Deanna Boshears
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-586-1565
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
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:	760-603-0153
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:	Canyon De Las Encinas Stream
CERTIFIER NAME:	Deanna Boshers
CERTIFIER TITLE:	Compliance Manager
CERTIFICATION DATE:	24-OCT-03
PRIMARY SIC:	4212-Local Trucking Without Storage
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	218635
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I014374
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/10/1998
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Coast Waste Management Inc
Discharge Address:	PO Box 947
Discharge City:	Carlsbad
Discharge State:	California
Discharge Zip:	92018
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

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

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:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	218930
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I018454
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/04/2003
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Palomar Transfer Station 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

PALOMAR TRANSFER STATION INCORPORATED (Continued) **1006805217**

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
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

ECHO:

Envid:	1006805217
Registry ID:	110013291455
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110013291455

D25 **COAST WASTE MANAGEMENT INC** **RCRA NonGen / NLR** **1000125480**
ENE **5960 EL CAMINO REAL** **FINDS** **CAT080012313**
< 1/8 **CARLSBAD, CA 92008** **ECHO**
0.036 mi.
191 ft. **Site 4 of 6 in cluster D**

Relative:
Lower

Actual:
292 ft.

RCRA NonGen / NLR:

Date form received by agency:	11/07/1980
Facility name:	BFI OF CA INC
Facility address:	5960 EL CAMINO REAL CARLSBAD, CA 92008
EPA ID:	CAT080012313
Mailing address:	EL CAMINO REAL CARLSBAD, CA 92008
Contact:	ENVIRONMENTAL MANAGER

COAST WASTE MANAGEMENT INC (Continued) **1000125480**

Contact address: 5960 EL CAMINO REAL
CARLSBAD, CA 92008
Contact country: US
Contact telephone: (714) 438-0126
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: BFI OF CALIFORNIA INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
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

Violation Status: No violations found

FINDS:

Registry ID: 110057104253

Environmental Interest/Information System
STATE MASTER

COAST WASTE MANAGEMENT INC (Continued) **1000125480**

ECHO:
Envid: 1000125480
Registry ID: 110057104253
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110057104253

D26 **COAST WASTE MANAGEMENT INC** **CA SAN DIEGO CO. SAM** **U003789313**
ENE **5960 EL CAMINO REAL** **CA UST** **N/A**
< 1/8 **CARLSBAD, CA 92008** **CA AST**
0.036 mi. **CA San Diego Co. HMMD**
191 ft. **Site 5 of 6 in cluster D** **CA SWEEPS UST**

Relative:
Lower

Actual:
292 ft.

SAN DIEGO CO. SAM:
Case Number: H10634-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 10/23/2000
Date Began: 4/12/1999

UST:
Facility ID: H10634
Permitting Agency: SAN DIEGO COUNTY
Latitude: 33.1368448
Longitude: -117.2649978

AST:
Certified Unified Program Agencies: San Diego
Owner: COAST WASTE MANAGEMENT INC
Total Gallons: 2220

SAN DIEGO CO. HMMD:
Facility Id: 110634
Business Type: 6HK24
EPA Id Number: CAD981964067
APN: 209-050-25-00
Last HMMD Inspection: 08/03/2012
Permit Status: OPEN
Permit Expiration: 01/31/2013
Facility Owner: COAST WASTE MANAGEMENT INC
Facility Address: PO BOX 947
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92018
UST Owner: COAST WASTE MANAGEMENT
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 110634 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 110634

COAST WASTE MANAGEMENT INC (Continued) **U003789313**

Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1999-01-25 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 110634 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	110634
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1999-01-25 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 110634 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	110634
Tank Type:	DOUBLE WALL
Additional Id:	NT2169 RT2397; RT4729
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id:	110634
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

COAST WASTE MANAGEMENT INC (Continued) **U003789313**

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	64-02-8
Name:	ZEP,TRUCK & TRAILER WASH DEGREASER, TNT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 110634 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	110634
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

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	111-76-2
Name:	PAINT, WATERBORNE W/ 6% GLYCOL:GREEN
Other Information:	SOLVENT 161 PAINT
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	74-86-1

COAST WASTE MANAGEMENT INC (Continued) **U003789313**

Name: ACETYLENE, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: 64742-16-1
Name: GREASE W/ 20% PETROLEUM HYDROCARBON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL 900 G AST W/ SEC CONT.
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: 64742-44-5
Name: OILS: KENDALL, VALVOLINE, GREASE, HYDRAULIC OIL
Other Information: 2-500 GAL AST)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG*
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: Not reported
Name: CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material

COAST WASTE MANAGEMENT INC (Continued) **U003789313**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: OILY ABSOBENT / HAULER: 5828
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: PAINT BOOTH FILTERS / HAULER: 5828
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: WASTE PAINT RELATED / HAULER: 5828
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: BATTERY CORES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 110634
Update Date: 11/02/2012
Inspection Date: 08/03/2011
Violation Code: 6HV3265
Violation: SYS NOT RUN TO PREVENT SPILL/OVERFILL
Violation Citation: UST system not operated to prevent spills and/or overfills. 25292.1(a)
Activity: ACTIVE

Facility Id: 110634
Update Date: 11/02/2012
Inspection Date: 08/25/2008
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

COAST WASTE MANAGEMENT INC (Continued) **U003789313**

Facility Id:	110634
Update Date:	11/02/2012
Inspection Date:	07/28/2003
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:	ACTIVE
Facility Id:	110634
Update Date:	11/02/2012
Inspection Date:	08/25/2008
Violation Code:	6HV3106
Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	ACTIVE
Facility Id:	110634
Update Date:	11/02/2012
Inspection Date:	07/15/2004
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE
Facility Id:	110634
Update Date:	11/02/2012
Inspection Date:	08/25/2008
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	110634
Update Date:	11/02/2012
Inspection Date:	08/25/2008
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	110634
Update Date:	11/02/2012
Inspection Date:	08/03/2011
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	110634

COAST WASTE MANAGEMENT INC (Continued) **U003789313**

Business Type:	6HK24
EPA Id Number:	CAD981964067
APN:	209-050-25-00
Last HMMD Inspection:	08/03/2012
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Facility Owner:	COAST WASTE MANAGEMENT INC
Facility Address:	PO BOX 947
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92018
UST Owner:	COAST WASTE MANAGEMENT
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 110634 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	110634
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1999-01-25 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 110634 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	110634
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1999-01-25 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 110634 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	110634
Tank Type:	DOUBLE WALL

COAST WASTE MANAGEMENT INC (Continued) **U003789313**

Additional Id:	NT2169 RT2397; RT4729
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id:	110634
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

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	64-02-8
Name:	ZEP,TRUCK & TRAILER WASH DEGREASER, TNT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 110634 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE

COAST WASTE MANAGEMENT INC (Continued) **U003789313**

Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: 111-76-2
Name: PAINT, WATERBORNE W/ 6% GLYCOL:GREEN
Other Information: SOLVENT 161 PAINT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: 74-86-1
Name: ACETYLENE, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: 64742-16-1
Name: GREASE W/ 20% PETROLEUM HYDROCARBON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 110634
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL 900 G AST W/ SEC CONT.
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 110634

COAST WASTE MANAGEMENT INC (Continued) **U003789313**

Update Date:	11/02/2012
Case Number:	64742-44-5
Name:	OILS: KENDALL, VALVOLINE, GREASE, HYDRAULIC OIL
Other Information:	2-500 GAL AST)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG*
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARBON DIOXIDE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	OILY ABSOBENT / HAULER: 5828
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	PAINT BOOTH FILTERS / HAULER: 5828
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	WASTE PAINT RELATED / HAULER: 5828
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	110634
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES

COAST WASTE MANAGEMENT INC (Continued) **U003789313**

Other Information: BATTERY CORES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 110634
Update Date: 11/02/2012
Inspection Date: 08/03/2011
Violation Code: 6HV3265
Violation: SYS NOT RUN TO PREVENT SPILL/OVERFILL
Violation Citation: UST system not operated to prevent spills and/or overfills. 25292.1(a)
Activity: ACTIVE

Facility Id: 110634
Update Date: 11/02/2012
Inspection Date: 08/25/2008
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 110634
Update Date: 11/02/2012
Inspection Date: 07/28/2003
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: ACTIVE

Facility Id: 110634
Update Date: 11/02/2012
Inspection Date: 08/25/2008
Violation Code: 6HV3106
Violation: NO OWNER/OPERATOR AGREEMENT
Violation Citation: Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity: ACTIVE

Facility Id: 110634
Update Date: 11/02/2012
Inspection Date: 07/15/2004
Violation Code: 6HV3254
Violation: UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation: UST system does not have an approved overfill protection system. 2635(b)(2)
Activity: ACTIVE

Facility Id: 110634
Update Date: 11/02/2012
Inspection Date: 08/25/2008
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA

COAST WASTE MANAGEMENT INC (Continued) **U003789313**

Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Facility Id: 110634
Update Date: 11/02/2012
Inspection Date: 08/25/2008
Violation Code: 6HV0234
Violation: FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity: ACTIVE

Facility Id: 110634
Update Date: 11/02/2012
Inspection Date: 08/03/2011
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

SWEEPS UST:
Status: Active
Comp Number: 10634
Number: 9
Board Of Equalization: 44-022035
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-010634-000001
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: 2

Status: Active
Comp Number: 10634
Number: 9
Board Of Equalization: 44-022035
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-010634-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

D27 **COAST WASTE MANAGEMENT INC.** **CA LUST** **S103891824**
ENE **5960 EL CAMINO REAL** **CA HIST CORTESE** **N/A**
< 1/8 **CARLSBAD, CA 92008** **CA WDS**
0.036 mi.
191 ft. **Site 6 of 6 in cluster D**

Relative:
Lower

Actual:
292 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT3902
Local Case:	H10634-001
Substance:	Diesel
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	01/25/1999
Date Stopped:	01/25/1999
Confirm Date:	04/13/1999
Submit Workplan:	4/26/99
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	04/12/1999
Enforce Date:	Not reported
Closed Date:	10/16/00
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	904.51
GW Depth:	60’
Beneficial Use:	MUNBU
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3902

WDS:

Facility ID:	San Diego 37I014374
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and

COAST WASTE MANAGEMENT INC. (Continued) **S103891824**

	repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	COAST WASTE MANAGEMENT INC.
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

28
North
< 1/8
0.037 mi.
194 ft.

Relative:
Lower

Actual:
290 ft.

L3 PHOTONICS **RCRA-SQG 1012176102**
5928 GEIGER CT **CA HAZNET CAR000199471**
CARLSBAD, CA 92008

RCRA-SQG:

Date form received by agency:	03/26/2009
Facility name:	L3 PHOTONICS
Facility address:	5928 GEIGER CT CARLSBAD, CA 92008
EPA ID:	CAR000199471
Mailing address:	5957 LANDAU CT CARLSBAD, CA 92008
Contact:	JASON D PATTON
Contact address:	5957 LANDAU CT CARLSBAD, CA 92008

L3 PHOTONICS (Continued) **1012176102**

Contact country: US
Contact telephone: 760-431-6800
Telephone ext.: 3396
Contact email: JASON.PATTON@L-3COM.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: L3 COMMUNICATIONS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/02/2008
Owner/Op end date: Not reported

Owner/operator name: DOORAN AMERICA INC
Owner/operator address: 9732 KEENELAND ROW
LA JOLLA, CA 92037
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/01/2006
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: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

L3 PHOTONICS (Continued) **1012176102**

. Waste code: D008
. Waste name: LEAD

. 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: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Violation Status: No violations found

HAZNET:

envid:	1012176102
Year:	2014
GEPAID:	CAR000199471
Contact:	JASON D PATTON EXT 3396
Telephone:	7604316800
Mailing Name:	Not reported
Mailing Address:	5957 LANDAU CT
Mailing City,St,Zip:	CARLSBAD, CA 920080000
Gen County:	San Diego
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.53
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego

envid:	1012176102
Year:	2014
GEPAID:	CAR000199471
Contact:	JASON D PATTON EXT 3396
Telephone:	7604316800
Mailing Name:	Not reported
Mailing Address:	5957 LANDAU CT
Mailing City,St,Zip:	CARLSBAD, CA 920080000
Gen County:	San Diego
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0725
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

L3 PHOTONICS (Continued) **1012176102**

(H010-H129) Or (H131-H135)
Facility County: San Diego

envid: 1012176102
Year: 2014
GEPAID: CAR000199471
Contact: JASON D PATTON EXT 3396
Telephone: 7604316800
Mailing Name: Not reported
Mailing Address: 5957 LANDAU CT
Mailing City,St,Zip: CARLSBAD, CA 920080000
Gen County: San Diego
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Laboratory waste chemicals
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.015
Cat Decode: Laboratory waste chemicals
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

envid: 1012176102
Year: 2014
GEPAID: CAR000199471
Contact: JASON D PATTON EXT 3396
Telephone: 7604316800
Mailing Name: Not reported
Mailing Address: 5957 LANDAU CT
Mailing City,St,Zip: CARLSBAD, CA 920080000
Gen County: San Diego
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.03
Cat Decode: Other inorganic solid waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

envid: 1012176102
Year: 2013
GEPAID: CAR000199471
Contact: JASON D PATTON EXT 3396
Telephone: 7604316800
Mailing Name: Not reported
Mailing Address: 5957 LANDAU CT
Mailing City,St,Zip: CARLSBAD, CA 920080000
Gen County: San Diego
TSD EPA ID: CAD008302903
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)

L3 PHOTONICS (Continued) **1012176102**

Tons: 0.21
Cat Decode: Not reported
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Not reported

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

29
NW
< 1/8
0.037 mi.
197 ft.

COBRA GOLF INC **RCRA-SQG** **1000819688**
5928 FARNSWORTH CT **FINDS** **CAD983656851**
CARLSBAD, CA 92008 **ECHO**

Relative:
Lower

Actual:
301 ft.

RCRA-SQG:
Date form received by agency: 11/23/1999
Facility name: COBRA GOLF INC
Facility address: 5928 FARNSWORTH CT
CARLSBAD, CA 92008
EPA ID: CAD983656851
Mailing address: 2819 LOKER AVE EAST
CARLSBAD, CA 92008
Contact: KIMBERLY TUCKER
Contact address: 2819 LOKER AVE EAST
CARLSBAD, CA 92008
Contact country: US
Contact telephone: (760) 804-6545
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: COBRA GOLF INC
Owner/operator address: 1812 ASTON AVE
CARLSBAD, CA 92008
Owner/operator country: Not reported
Owner/operator telephone: (619) 929-0377
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: COBRA GOLF INC
Owner/operator address: 5928 FARNSWORTH CT
CARLSBAD, CA 92008
Owner/operator country: Not reported
Owner/operator telephone: (760) 476-0300
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

COBRA GOLF INC (Continued) **1000819688**

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

Historical Generators:
Date form received by agency: 11/23/1999
Site name: COBRA GOLF INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. 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.

Date form received by agency: 03/04/1999
Site name: COBRA GOLF INCORPORATED

COBRA GOLF INC (Continued) **1000819688**

Classification: Large Quantity Generator

Date form received by agency: 03/27/1996
Site name: WEST COAST COMPOSITES
Classification: Large Quantity Generator

Date form received by agency: 01/29/1996
Site name: COBRA GOLF INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110013855694

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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.

ECHO:
Envid: 1000819688
Registry ID: 110013855694
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110013855694

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30 **EDR Hist Auto** **1015324060**
SE **2121 PALOMAR AIRPORT RD** **N/A**
< 1/8 **CARLSBAD, CA 92011**
0.055 mi.
291 ft.

Relative:
Lower

Actual:
307 ft.

EDR Historical Auto Stations:
Name: CALIFORNIA AUTOMOTIVE TECHNOLOGIES I
Year: 2007
Address: 2121 PALOMAR AIRPORT RD

Name: CALIFORNIA AUTOMOTIVE TECHNOLOGIES I
Year: 2008
Address: 2121 PALOMAR AIRPORT RD

31
South
< 1/8
0.071 mi.
375 ft.

REPUBLIC TOOL AND MFG
6212 CORTE DEL ABETO
CARLSBAD, CA 92009

RCRA-SQG
CA San Diego Co. HMMD
FINDS
ECHO

1000424215
CAD981375041

Relative:
Lower

Actual:
272 ft.

RCRA-SQG:

Date form received by agency:	02/06/1998
Facility name:	REPUBLIC TOOL AND MFG
Facility address:	6212 CORTE DEL ABETO CARLSBAD, CA 92009
EPA ID:	CAD981375041
Contact:	ENVIRONMENTAL MANAGER
Contact address:	6212 CORTE DEL ABETO CARLSBAD, CA 92009
Contact country:	US
Contact telephone:	(619) 438-7835
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:	REPUBLIC TOOL & MFG
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

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

Historical Generators:

Date form received by agency:	02/06/1998
Site name:	REPUBLIC TOOL AND MFG
Classification:	Small Quantity Generator

REPUBLIC TOOL AND MFG (Continued) **1000424215**

Date form received by agency: 09/01/1996
Site name: REPUBLIC TOOL AND MFG
Classification: Large Quantity Generator

Date form received by agency: 02/28/1996
Site name: REPUBLIC TOOL & MANUFACTURING CORP.
Classification: Large Quantity Generator

Date form received by agency: 01/30/1986
Site name: REPUBLIC TOOL AND MFG
Classification: Small Quantity Generator

Date form received by agency: 01/30/1986
Site name: REPUBLIC TOOL AND MFG
Classification: Small Quantity Generator

Violation Status: No violations found

SAN DIEGO CO. HMMD:
Facility Id: 210610
Business Type: 6HK18
EPA Id Number: CAL000326073
APN: 213-061-01-00
Last HMMD Inspection: 04/17/2012
Permit Status: OPEN
Permit Expiration: 07/31/2013
Facility Owner: DAVID DANGLARD
Facility Address: 17221 VON KARMAN AV
Facility City: IRVINE
Facility State: CA
Facility Zip: 92614
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
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

Active Permits:
Facility Id: 210610
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: WASTE BRAKE FLUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 210610
Update Date: 11/02/2012
Inspection Date: 04/13/2009
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

REPUBLIC TOOL AND MFG (Continued) **1000424215**

Facility Id:	210610
Update Date:	11/02/2012
Inspection Date:	04/17/2012
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

Facility Id:	210610
Update Date:	11/02/2012
Inspection Date:	04/17/2012
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

Facility Id:	210610
Update Date:	11/02/2012
Inspection Date:	04/17/2012
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

Facility Id:	210610
Update Date:	11/02/2012
Inspection Date:	04/17/2012
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE

Facility Id:	119301
Business Type:	6HK77
EPA Id Number:	CAD981375041
APN:	213-061-01-00
Last HMMD Inspection:	02/09/2001
Permit Status:	INAC
Permit Expiration:	03/31/2001
Facility Owner:	THE SCOTTS COMPANY
Facility Address:	6212 CORTE DEL ABETO
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92009-1405
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
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

REPUBLIC TOOL AND MFG (Continued) **1000424215**

FINDS:

Registry ID: 110000783466

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.

ECHO:
Envid: 1000424215
Registry ID: 110000783466
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110000783466

32
WSW
< 1/8
0.074 mi.
393 ft.

REPUBLIC TOOL AND MANUFACTURING **RCRA-SQG** **1001404378**
1960 KELLOGG AVE **FINDS** **CAR000047209**
CARLSBAD, CA 92008 **ECHO**

Relative:
Lower

Actual:
310 ft.

RCRA-SQG:
Date form received by agency: 12/23/1998
Facility name: REPUBLIC TOOL AND MANUFACTURING
Facility address: 1960 KELLOGG AVE
CARLSBAD, CA 92008
EPA ID: CAR000047209
Mailing address: 6211 CORTE DEL ABETO
CARLSBAD, CA 92009
Contact: SARA BRENNER
Contact address: 6211 CORTE DEL ABETO
CARLSBAD, CA 92009
Contact country: US
Contact telephone: (760) 438-7835
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: THE SCOTTS CO
Owner/operator address: 14111 SCOTTSLAWN RD
MARYSVILLE, OH 99999
Owner/operator country: Not reported
Owner/operator telephone: (800) 874-7336
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

REPUBLIC TOOL AND MANUFACTURING (Continued) **1001404378**

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: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110002925728

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.

ECHO:
Envid: 1001404378
Registry ID: 110002925728
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002925728

33
WSW
< 1/8
0.083 mi.
437 ft.

Relative:
Lower

Actual:
274 ft.

STEROGENE BIOSEPARATIONS INC GALENBIO INC **RCRA-SQG** **1016955272**
1949 KELLOGG AVE **CAR000250324**
CARLSBAD, CA 92008

RCRA-SQG:
Date form received by agency: 10/13/2014
Facility name: STEROGENE BIOSEPARATIONS INC GALENBIO INC
Facility address: 1949 KELLOGG AVE
CARLSBAD, CA 92008
EPA ID: CAR000250324
Contact: JOHN M DYER
Contact address: 1949 KELLOGG AVE

STEROGENE BIOSEPARATIONS INC GALENBIO INC (Continued) **1016955272**

CARLSBAD, CA 92008
Contact country: US
Contact telephone: 760-929-4995
Contact email: JDYER@STEROGENE.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: SUSAN SZATHMERY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2010
Owner/Op end date: Not reported

Owner/operator name: YUEN FAMILY TRUST
Owner/operator address: PO BOX 8822
RANCHO SANTA FE, 92067
Owner/operator country: US
Owner/operator telephone: 858-369-5200
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1995
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: 212
. Waste name: 212

. Waste code: 351
. Waste name: 351

STEROGENE BIOSEPARATIONS INC GALENBIO INC (Continued) **1016955272**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D021
. Waste name: CHLOROBENZENE

. 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.

Violation Status: No violations found

E34 **PACIFIC ANALYTICAL INC** **RCRA-SQG** **1005415548**
East **6056 CORTE DEL CEDRO** **CA San Diego Co. HMMD** **CAR000112581**
< 1/8 **CARLSBAD, CA 92009** **FINDS**
0.084 mi. **CA HAZNET**
441 ft. **Site 1 of 2 in cluster E** **ECHO**

Relative:
Lower

Actual:
253 ft.

RCRA-SQG:
Date form received by agency: 02/15/2002
Facility name: PACIFIC ANALYTICAL INC
Facility address: 6056 CORTE DEL CEDRO
CARLSBAD, CA 920091514
EPA ID: CAR000112581
Mailing address: 6349 PASEO DEL LAGO
CARLSBAD, CA 920091309
Contact: STEVE PARSONS
Contact address: 6349 PASEO DEL LAGO
CARLSBAD, CA 920091309
Contact country: US
Contact telephone: (760) 438-3100
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: PACIFIC ANALYTICAL INC
Owner/operator address: 6349 PASEO DEL LAGO
CARLSBAD, CA 92009
Owner/operator country: Not reported
Owner/operator telephone: (760) 438-3100
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

PACIFIC ANALYTICAL INC (Continued) **1005415548**

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: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: 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.

Violation Status: No violations found

SAN DIEGO CO. HMMD:
Facility Id: 102832
Business Type: 6HK66
EPA Id Number: CAR000112581
APN: 213-070-07-00
Last HMMD Inspection: 03/13/2007
Permit Status: INAC

PACIFIC ANALYTICAL INC (Continued) **1005415548**

Permit Expiration: 02/29/2008
Facility Owner: PACIFIC ANALYTICAL INC
Facility Address: 6056 CORTE DEL CEDRO
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92011
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

Violations Inactive Permits:
Facility Id: 102832
Update Date: 11/02/2012
Inspection Date: 03/29/2004
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: Inactive Permit

Facility Id: 102832
Business Type: 6HK66
EPA Id Number: CAR000112581
APN: 213-070-07-00
Last HMMD Inspection: 03/13/2007
Permit Status: INAC
Permit Expiration: 02/29/2008
Facility Owner: PACIFIC ANALYTICAL INC
Facility Address: 6056 CORTE DEL CEDRO
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92011
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:
Facility Id: 102832
Update Date: 11/02/2012
Inspection Date: 03/29/2004
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: Inactive Permit

PACIFIC ANALYTICAL INC (Continued) **1005415548**

FINDS:

Registry ID: 110012230282

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.

HAZNET:

envid:	1005415548
Year:	2008
GEPAID:	CAR000112581
Contact:	STEVE PARSONS/LAB MGR
Telephone:	7604962200
Mailing Name:	Not reported
Mailing Address:	6056 CORTE DEL CEDRO
Mailing City,St,Zip:	Carlsbad, CA 920111514
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.175
Cat Decode:	Other inorganic solid waste
Method Decode:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	San Diego

envid:	1005415548
Year:	2008
GEPAID:	CAR000112581
Contact:	STEVE PARSONS/LAB MGR
Telephone:	7604962200
Mailing Name:	Not reported
Mailing Address:	6056 CORTE DEL CEDRO
Mailing City,St,Zip:	Carlsbad, CA 920111514
Gen County:	Not reported
TSD EPA ID:	ARD069748192
TSD County:	Not reported
Waste Category:	Laboratory waste chemicals
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.048
Cat Decode:	Laboratory waste chemicals
Method Decode:	Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County:	San Diego

PACIFIC ANALYTICAL INC (Continued) **1005415548**

envid: 1005415548
Year: 2008
GEPAID: CAR000112581
Contact: STEVE PARSONS/LAB MGR
Telephone: 7604962200
Mailing Name: Not reported
Mailing Address: 6056 CORTE DEL CEDRO
Mailing City,St,Zip: Carlsbad, CA 920111514
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: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125
Cat Decode: Liquids with halogenated organic compounds >= 1,000 Mg./L
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

envid: 1005415548
Year: 2008
GEPAID: CAR000112581
Contact: STEVE PARSONS/LAB MGR
Telephone: 7604962200
Mailing Name: Not reported
Mailing Address: 6056 CORTE DEL CEDRO
Mailing City,St,Zip: Carlsbad, CA 920111514
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: 0.2
Cat Decode: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode: Fuel Blending Prior To Energy Recovery At Another Site
Facility County: San Diego

envid: 1005415548
Year: 2007
GEPAID: CAR000112581
Contact: STEVE PARSONS/LAB MGR
Telephone: 7604962200
Mailing Name: Not reported
Mailing Address: 6056 CORTE DEL CEDRO
Mailing City,St,Zip: Carlsbad, CA 920111514
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: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.41
Cat Decode: Liquids with halogenated organic compounds >= 1,000 Mg./L
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

PACIFIC ANALYTICAL INC (Continued) **1005415548**

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

ECHO:
Envid: 1005415548
Registry ID: 110012230282
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110012230282

F35 **EAGLE ONE** **CA San Diego Co. HMMD** **1001481106**
NNE **5927 LANDAU CT** **RCRA NonGen / NLR** **CAR000051599**
< 1/8 **CARLSBAD, CA 92008** **FINDS**
0.088 mi. **CA HAZNET**
463 ft. **Site 1 of 2 in cluster F** **ECHO**

Relative:
Lower

Actual:
292 ft.

SAN DIEGO CO. HMMD:

Facility Id:	125213
Business Type:	6HK18
EPA Id Number:	CAR000051599
APN:	212-061-19-00
Last HMMD Inspection:	12/20/1999
Permit Status:	CHNG
Permit Expiration:	04/30/2004
Facility Owner:	ASHLAND
Facility Address:	5927 LANDAU CT
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92008-8803
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Facility Id:	201831
Business Type:	6HK70
EPA Id Number:	CAD982510802
APN:	212-061-19-00
Last HMMD Inspection:	05/14/2003
Permit Status:	INAC
Permit Expiration:	05/31/2004
Facility Owner:	ASHLAND
Facility Address:	5927 LANDAU CT
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92008-8803
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
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

RCRA NonGen / NLR:
Date form received by agency: 04/26/1999

EAGLE ONE (Continued) **1001481106**

Facility name:	EAGLE ONE
Facility address:	5927 LANDAU CT CARLSBAD, CA 92008
EPA ID:	CAR000051599
Contact:	DON E GEBHARDT
Contact address:	5927 LANDAU CT CARLSBAD, CA 92008
Contact country:	US
Contact telephone:	859-357-7884
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:	ASHLAND INC
Owner/operator address:	50 E RIVER CENTER BLVD COVINGTON, KY 41012
Owner/operator country:	Not reported
Owner/operator telephone:	(606) 815-3333
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

. Waste code:	D002
. Waste name:	CORROSIVE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110002927619

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.

EAGLE ONE (Continued) **1001481106**

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

HAZNET:

envid:	1001481106
Year:	2003
GEPAID:	CAR000051599
Contact:	ASHLAND INC
Telephone:	Not reported
Mailing Name:	Not reported
Mailing Address:	5927 LANDAU CT
Mailing City,St,Zip:	CARLSBAD, CA 920080000
Gen County:	Not reported
TSD EPA ID:	IND000646943
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler
Tons:	0.12
Cat Decode:	Unspecified organic liquid mixture
Method Decode:	Recycler
Facility County:	San Diego

envid:	1001481106
Year:	2003
GEPAID:	CAR000051599
Contact:	ASHLAND INC
Telephone:	Not reported
Mailing Name:	Not reported
Mailing Address:	5927 LANDAU CT
Mailing City,St,Zip:	CARLSBAD, CA 920080000
Gen County:	Not reported
TSD EPA ID:	IND000646943
TSD County:	Not reported
Waste Category:	Alkaline solution without metals pH >= 12.5
Disposal Method:	Recycler
Tons:	0.3
Cat Decode:	Alkaline solution without metals pH >= 12.5
Method Decode:	Recycler
Facility County:	San Diego

envid:	1001481106
Year:	2003
GEPAID:	CAR000051599
Contact:	ASHLAND INC
Telephone:	Not reported
Mailing Name:	Not reported
Mailing Address:	5927 LANDAU CT
Mailing City,St,Zip:	CARLSBAD, CA 920080000
Gen County:	Not reported
TSD EPA ID:	IND000646943
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2

EAGLE ONE (Continued) **1001481106**

Disposal Method: Recycler
Tons: 0.26
Cat Decode: Liquids with pH <= 2
Method Decode: Recycler
Facility County: San Diego

ECHO:
Envid: 1001481106
Registry ID: 110002927619
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002927619

E36 **SURGISTAR INC** **RCRA-SQG** **1001217444**
ESE **6068 CORTE DEL CEDRO** **CA San Diego Co. HMMD** **CAR000034561**
< 1/8 **CARLSBAD, CA 92009** **FINDS**
0.088 mi. **CA HAZNET**
466 ft. **Site 2 of 2 in cluster E** **ECHO**

Relative: Lower

Actual: 246 ft.

RCRA-SQG:
Date form received by agency: 10/12/2000
Facility name: SURGISTAR INC
Site name: SURGISTAR
Facility address: 6068 CORTE DEL CEDRO
CARLSBAD, CA 92009
EPA ID: CAR000034561
Contact: DENNIS J MANNING
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (760) 431-7400
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: DANNY ASHCRAFT
Owner/operator address: 2081 LAS PALMAS DR
CARLSBAD, CA 92009
Owner/operator country: Not reported
Owner/operator telephone: (760) 438-7839
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

SURGISTAR INC (Continued) **1001217444**

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: 12/11/1997
Site name: SURGISTAR INC
Classification: Small Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 10/22/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

SAN DIEGO CO. HMMD:
Facility Id: 109165
Business Type: 6HK34
EPA Id Number: CAR000034561
APN: 213-070-04-00
Last HMMD Inspection: 10/22/2003
Permit Status: CHNG
Permit Expiration: 06/30/2005
Facility Owner: JONATHAN WOODWARD
Facility Address: 6068 CORTE DEL CEDRO
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92009-1514
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

SURGISTAR INC (Continued) **1001217444**

FINDS:

Registry ID: 110002920260

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.

HAZNET:

envid:	1001217444
Year:	2004
GEPAID:	CAR000034561
Contact:	MR JONATHAN WOODWARD, PRES
Telephone:	7604317400
Mailing Name:	Not reported
Mailing Address:	2310 LA MIRANDA DR
Mailing City,St,Zip:	VISTA, CA 920810000
Gen County:	Not reported
TSD EPA ID:	CAD008488025
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2 with metals
Disposal Method:	Recycler
Tons:	4.42
Cat Decode:	Liquids with pH <= 2 with metals
Method Decode:	Recycler
Facility County:	San Diego

envid:	1001217444
Year:	2003
GEPAID:	CAR000034561
Contact:	MR JONATHAN WOODWARD, PRES
Telephone:	7604317400
Mailing Name:	Not reported
Mailing Address:	2310 LA MIRANDA DR
Mailing City,St,Zip:	VISTA, CA 920810000
Gen County:	Not reported
TSD EPA ID:	CAD008488025
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2 with metals
Disposal Method:	Recycler
Tons:	6.88
Cat Decode:	Liquids with pH <= 2 with metals
Method Decode:	Recycler
Facility County:	San Diego

envid: 1001217444

SURGISTAR INC (Continued) **1001217444**

Year:	2002
GEPAID:	CAR000034561
Contact:	MR JONATHAN WOODWARD, PRES
Telephone:	7604317400
Mailing Name:	Not reported
Mailing Address:	2310 LA MIRANDA DR
Mailing City,St,Zip:	VISTA, CA 920810000
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2 with metals
Disposal Method:	Recycler
Tons:	1.25
Cat Decode:	Liquids with pH <= 2 with metals
Method Decode:	Recycler
Facility County:	San Diego

envid:	1001217444
Year:	2002
GEPAID:	CAR000034561
Contact:	MR JONATHAN WOODWARD, PRES
Telephone:	7604317400
Mailing Name:	Not reported
Mailing Address:	2310 LA MIRANDA DR
Mailing City,St,Zip:	VISTA, CA 920810000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus inorganics
Disposal Method:	Transfer Station
Tons:	0.12
Cat Decode:	Off-specification, aged or surplus inorganics
Method Decode:	Transfer Station
Facility County:	San Diego

envid:	1001217444
Year:	2002
GEPAID:	CAR000034561
Contact:	MR JONATHAN WOODWARD, PRES
Telephone:	7604317400
Mailing Name:	Not reported
Mailing Address:	2310 LA MIRANDA DR
Mailing City,St,Zip:	VISTA, CA 920810000
Gen County:	Not reported
TSD EPA ID:	CAD008488025
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2 with metals
Disposal Method:	Recycler
Tons:	5.73
Cat Decode:	Liquids with pH <= 2 with metals
Method Decode:	Recycler
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.

SURGISTAR INC (Continued) **1001217444**

ECHO:
Envid: 1001217444
Registry ID: 110002920260
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002920260

G37 **CARLSBAD TECHNOLOGY INC** **CA UST** **U003789953**
NNW **5923 BALFOUR CT** **CA San Diego Co. HMMD** **N/A**
< 1/8 **CARLSBAD, CA 92008**
0.095 mi.
499 ft. **Site 1 of 3 in cluster G**

Relative:
Lower

Actual:
282 ft.

UST:
Facility ID: H33902
Permitting Agency: SAN DIEGO COUNTY
Latitude: 33.132215
Longitude: -117.280262

SAN DIEGO CO. HMMD:
Facility Id: 133902
Business Type: 6HK67
EPA Id Number: CAL000089362
APN: 212-070-12-00
Last HMMD Inspection: 08/24/2012
Permit Status: OPEN
Permit Expiration: 06/30/2013
Facility Owner: CARLSBAD TECHNOLOGY INC
Facility Address: 5923 BALFOUR CT
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92008-
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: Y

UST:
UST Name: UNDERGROUND TANK 133902 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 133902
Tank Type: DOUBLE WALL
Additional Id: NT1730 WASH WATER
Capacity Gallons: 3000
UST Contents: Not reported
Other Content Info: WASH WATER
Reg Status: EXEMPT
Remove Close Date: Not reported
Year Installed: 1994-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: Not reported
Monitor Code: 20
UST Monitor Method: DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

CARLSBAD TECHNOLOGY INC (Continued) **U003789953**

Active Permits:

Facility Id:	133902
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	GENERATOR TANK
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	133902
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	HELIUM, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	133902
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	DUST FILTERS; HVAC SYSTEM
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	133902
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	ACETONTRILE/HPLC WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	133902
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information:	BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste:	Not reported
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	133902
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN, COMPRESSED
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	133902
Update Date:	11/02/2012

CARLSBAD TECHNOLOGY INC (Continued) **U003789953**

Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: LAB PACK: CORROSIVE/ORGAN
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: 59277-89-3
Name: ACYCLOVIR, ACRYLIC NUCLEOSIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: 85721-33-1
Name: CIPROFLOXACIN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 133902
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: CAPSULE POWDERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: Not reported
Name: AIR, COMPRESSED
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 133902
Update Date: 11/02/2012
Case Number: 15307-79-6
Name: DICLOFENAC, SODIUM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported

CARLSBAD TECHNOLOGY INC (Continued) **U003789953**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: 75330-75-5
Name: LOVASTATIN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: LAB PACK: FLAMMABLES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: RED BAGS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: 76824-35-6
Name: FAMOTIDINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: 133-74-0
Name: HYDROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Violations Active Permits:
Facility Id: 133902
Update Date: 11/02/2012
Inspection Date: 08/24/2012
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

CARLSBAD TECHNOLOGY INC (Continued) **U003789953**

Facility Id:	133902
Update Date:	11/02/2012
Inspection Date:	08/24/2012
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE

Facility Id:	133902
Update Date:	11/02/2012
Inspection Date:	09/15/2008
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

Facility Id:	133902
Update Date:	11/02/2012
Inspection Date:	08/24/2012
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE

Facility Id:	133902
Update Date:	11/02/2012
Inspection Date:	09/15/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Facility Id:	133902
Update Date:	11/02/2012
Inspection Date:	09/15/2008
Violation Code:	6HV4210
Violation:	MED WASTE NOT IN RED BAGS
Violation Citation:	Generator did not store medical waste in approved and properly marked red bags (non-sharps). 118275
Activity:	ACTIVE

Facility Id:	133902
Business Type:	6HK67
EPA Id Number:	CAL000089362
APN:	212-070-12-00
Last HMMD Inspection:	08/24/2012
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	CARLSBAD TECHNOLOGY INC
Facility Address:	5923 BALFOUR CT
Facility City:	CARLSBAD

CARLSBAD TECHNOLOGY INC (Continued) **U003789953**

Facility State:	CA
Facility Zip:	92008-
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

UST:

UST Name:	UNDERGROUND TANK 133902 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	133902
Tank Type:	DOUBLE WALL
Additional Id:	NT1730 WASH WATER
Capacity Gallons:	3000
UST Contents:	Not reported
Other Content Info:	WASH WATER
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1994-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	Not reported
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

Active Permits:

Facility Id:	133902
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	GENERATOR TANK
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	133902
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	HELIUM, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	133902
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	DUST FILTERS; HVAC SYSTEM
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	133902

CARLSBAD TECHNOLOGY INC (Continued) **U003789953**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	ACETONTRILE/HPLC WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	133902
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information:	BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste:	Not reported
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	133902
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN, COMPRESSED
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	133902
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	LAB PACK: CORROSIVE/ORGAN
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	133902
Update Date:	11/02/2012
Case Number:	59277-89-3
Name:	ACYCLOVIR, ACRYLIC NUCLEOSIDE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	133902
Update Date:	11/02/2012
Case Number:	85721-33-1
Name:	CIPROFLOXACIN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	133902
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE

CARLSBAD TECHNOLOGY INC (Continued) **U003789953**

Other Information: CAPSULE POWDERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: Not reported
Name: AIR, COMPRESSED
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 133902
Update Date: 11/02/2012
Case Number: 15307-79-6
Name: DICLOFENAC, SODIUM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 133902
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

Facility Id: 133902
Update Date: 11/02/2012
Case Number: 75330-75-5
Name: LOVASTATIN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: LAB PACK: FLAMMABLES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: RED BAGS
Material Waste: Waste
Hazardous Categories 1: Not reported

CARLSBAD TECHNOLOGY INC (Continued) **U003789953**

Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: 76824-35-6
Name: FAMOTIDINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 133902
Update Date: 11/02/2012
Case Number: 133-74-0
Name: HYDROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Violations Active Permits:

Facility Id: 133902
Update Date: 11/02/2012
Inspection Date: 08/24/2012
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

Facility Id: 133902
Update Date: 11/02/2012
Inspection Date: 08/24/2012
Violation Code: 6HV1008
Violation: NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation: Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity: ACTIVE

Facility Id: 133902
Update Date: 11/02/2012
Inspection Date: 09/15/2008
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 133902
Update Date: 11/02/2012
Inspection Date: 08/24/2012
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

Facility Id: 133902

CARLSBAD TECHNOLOGY INC (Continued) **U003789953**

Update Date:	11/02/2012
Inspection Date:	09/15/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	133902
Update Date:	11/02/2012
Inspection Date:	09/15/2008
Violation Code:	6HV4210
Violation:	MED WASTE NOT IN RED BAGS
Violation Citation:	Generator did not store medical waste in approved and properly marked red bags (non-sharps). 118275
Activity:	ACTIVE

G38 **CARLSBAD TECHNOLOGY INC** **RCRA-LQG** **1015740230**
NNW **5923 BALFOUR CT** **CAR000229104**
< 1/8 **CARLSBAD, CA 92008**
0.095 mi.
499 ft. **Site 2 of 3 in cluster G**

Relative:
Lower

Actual:
282 ft.

RCRA-LQG:

Date form received by agency:	08/19/2014
Facility name:	CARLSBAD TECHNOLOGY INC
Facility address:	5923 BALFOUR CT CARLSBAD, CA 92008
EPA ID:	CAR000229104
Mailing address:	5922 FRANSWORTH CT STE 102 CARLSBAD, CA 92008
Contact:	WAI Y YU
Contact address:	5922 FRANSWORTH CT STE 102 CARLSBAD, CA 92008
Contact country:	US
Contact telephone:	760-431-8284
Telephone ext.:	187
Contact email:	KARENYU@CARLSBADTECHNOLOGYINC.COM
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 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

CARLSBAD TECHNOLOGY INC (Continued) **1015740230**

Owner/Operator Summary:
Owner/operator name: CARLSBAD TECHNOLOGY INC
Owner/operator address: 5923 BALFOUR CT
CARLSBAD, CA 92008
Owner/operator country: US
Owner/operator telephone: 760-431-8284
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/25/1993
Owner/Op end date: Not reported

Owner/operator name: HONG CHIN CHENG
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/07/2012
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: 121

. Waste code: 132
. Waste name: 132

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

CARLSBAD TECHNOLOGY INC (Continued) **1015740230**

. Waste code: 311
. Waste name: 311

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 551
. Waste name: 551

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D038
. Waste name: PYRIDINE

. 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

CARLSBAD TECHNOLOGY INC (Continued) **1015740230**

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: 08/14/2013
Site name: CARLSBAD TECHNOLOGY INC
Classification: Small Quantity Generator

. Waste code: 121
. Waste name: 121

. Waste code: 132
. Waste name: 132

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 311
. Waste name: 311

. Waste code: 322
. Waste name: 322

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 551
. Waste name: 551

CARLSBAD TECHNOLOGY INC (Continued) **1015740230**

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D038
. Waste name: PYRIDINE

. 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

CARLSBAD TECHNOLOGY INC (Continued) **1015740230**

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.

Date form received by agency: 09/18/2012
Site name: CARLSBAD TECHNOLOGY INC
Classification: Small Quantity Generator

. Waste code: 311
. Waste name: 311

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. 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.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 05/23/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

H39 **JET SOURCE** **CA LUST** **S104749907**
South **2036 PALOMAR AIRPORT RD** **CA SAN DIEGO CO. SAM** **N/A**
< 1/8 **CARLSBAD, CA 92008**
0.096 mi.
508 ft. **Site 1 of 2 in cluster H**

Relative:
Lower

Actual:
222 ft.

LUST:
Region: STATE
Global Id: T06019780052
Latitude: 33.125260350034

JET SOURCE (Continued) **S104749907**

Longitude:	-117.27991104126
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/12/2013
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	SM
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT4185
LOC Case Number:	H21758-001
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

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

Contact:

Global Id:	T06019780052
Contact Type:	Local Agency Caseworker
Contact Name:	JAMES CLAY
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	james.clay@sdcounty.ca.gov
Phone Number:	Not reported

Global Id:	T06019780052
Contact Type:	Regional Board Caseworker
Contact Name:	SEAN MCCLAIN
Organization Name:	SAN DIEGO RWQCB (REGION 9)
Address:	2375 NORTHSIDE DRIVE, SUITE 100
City:	SAN DIEGO
Email:	sean.mcclain@waterboards.ca.gov
Phone Number:	6195213374

Status History:

Global Id:	T06019780052
Status:	Completed - Case Closed
Status Date:	02/12/2013

Global Id:	T06019780052
Status:	Open - Case Begin Date
Status Date:	07/14/2004

Global Id:	T06019780052
Status:	Open - Site Assessment
Status Date:	07/28/2004

Global Id:	T06019780052
Status:	Open - Site Assessment
Status Date:	07/29/2005

Global Id:	T06019780052
Status:	Open - Site Assessment
Status Date:	12/21/2006

JET SOURCE (Continued) **S104749907**

Regulatory Activities:

Global Id:	T06019780052
Action Type:	ENFORCEMENT
Date:	02/23/2007
Action:	Referral to Regional Board
Global Id:	T06019780052
Action Type:	Other
Date:	07/14/2004
Action:	Leak Began
Global Id:	T06019780052
Action Type:	ENFORCEMENT
Date:	12/13/2011
Action:	Technical Correspondence / Assistance / Other
Global Id:	T06019780052
Action Type:	ENFORCEMENT
Date:	03/21/2012
Action:	Warning Letter
Global Id:	T06019780052
Action Type:	Other
Date:	07/14/2004
Action:	Leak Discovery
Global Id:	T06019780052
Action Type:	ENFORCEMENT
Date:	03/16/2007
Action:	Verbal Enforcement
Global Id:	T06019780052
Action Type:	Other
Date:	07/19/2004
Action:	Leak Reported
Global Id:	T06019780052
Action Type:	ENFORCEMENT
Date:	02/11/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T06019780052
Action Type:	ENFORCEMENT
Date:	03/14/2007
Action:	Staff Letter
Global Id:	T06019780052
Action Type:	RESPONSE
Date:	07/29/2005
Action:	Soil and Water Investigation Workplan
Global Id:	T06019780052
Action Type:	RESPONSE
Date:	05/09/2016
Action:	Well Destruction Report
Global Id:	T06019780052

JET SOURCE (Continued) **S104749907**

Action Type: ENFORCEMENT
Date: 12/04/2012
Action: Notification - Fee Title Owners Notice

Global Id: T06019780052
Action Type: ENFORCEMENT
Date: 12/05/2012
Action: Notification - Public Notice of Case Closure

Global Id: T06019780052
Action Type: Other
Date: 07/19/2004
Action: Leak Stopped

Global Id: T06019780052
Action Type: ENFORCEMENT
Date: 08/15/2005
Action: Staff Letter

Global Id: T06019780052
Action Type: RESPONSE
Date: 10/26/2012
Action: Correspondence

Global Id: T06019780052
Action Type: ENFORCEMENT
Date: 03/12/2009
Action: Site Visit / Inspection / Sampling

Global Id: T06019780052
Action Type: ENFORCEMENT
Date: 02/15/2010
Action: Meeting

Global Id: T06019780052
Action Type: ENFORCEMENT
Date: 02/12/2013
Action: Closure/No Further Action Letter

SAN DIEGO CO. SAM:
Case Number: H21758-001
Agency: CA Regional Water Quality Control Board
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Preliminary Assessment
Date: 7/19/2004
Date Began: 7/14/2004

H40
South
< 1/8
0.096 mi.
508 ft.

JET SOURCE, INC
2036 PALOMAR AIRPORT RD
CARLSBAD, CA 92011

Site 2 of 2 in cluster H

CA UST **U003789761**
N/A

Relative:
Lower

Actual:
222 ft.

UST:
Facility ID: H21758
Permitting Agency: SAN DIEGO COUNTY
Latitude: 33.12155
Longitude: -117.28007

41
SSE
< 1/8
0.101 mi.
532 ft.

CVI MELLES GRIOT
2051 PALOMAR AIRPORT RD #200
CARLSBAD, CA 92011

RCRA-LQG **1000240995**
CAD981382237

Relative:
Lower

Actual:
299 ft.

RCRA-LQG:
Date form received by agency: 03/01/2014
Facility name: CVI MELLES GRIOT
Facility address: 2051 PALOMAR AIRPORT RD #200
CARLSBAD, CA 92011
EPA ID: CAD981382237
Mailing address: PALOMAR AIRPORT RD #200
CARLSBAD, CA 92011
Contact: JON POWERS
Contact address: PALOMAR AIRPORT RD #200
CARLSBAD, CA 92011
Contact country: Not reported
Contact telephone: (760) 603-3161
Contact email: JPOWERRS@IDEXCORP.COM
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 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: GOLDPOINT LLC
Owner/operator address: PO BOX 9715
BREA, CA 92823
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/27/2003
Owner/Op end date: Not reported

CVI MELLES GRIOT (Continued) **1000240995**

Owner/operator name: EMERY SKARUPA - GEN MGR
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/01/2004
Owner/Op end date: Not reported

Owner/operator name: CVI LASER LLC
Owner/operator address: Not reported
CA
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/25/2007
Owner/Op end date: Not reported

Owner/operator name: CVI LASER LLC
Owner/operator address: DORADO PL
ALBUQUERQUE, NM 87123
Owner/operator country: Not reported
Owner/operator telephone: (760) 296-9541
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/27/2007
Owner/Op end date: Not reported

Owner/operator name: TOM GOUGHERTY-SITE MANAGER
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/01/2013
Owner/Op end date: Not reported

Owner/operator name: GOLDPOINT B LLC
Owner/operator address: PO BOX 9715
BREA, CA 92823
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/27/2003
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

CVI MELLES GRIOT (Continued) **1000240995**

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

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. 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.

Historical Generators:
Date form received by agency: 10/09/2012
Site name: CVI MELLES GRIOT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

Date form received by agency: 09/13/2010
Site name: CVI MELLES GRIOT
Classification: Large Quantity Generator

. Waste code: 212
. Waste name: 212

. Waste code: 352
. Waste name: 352

. Waste code: 741
. Waste name: 741

CVI MELLES GRIOT (Continued) **1000240995**

. Waste code: 792
. Waste name: 792

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

Date form received by agency: 05/17/2008
Site name: CVI MELLES GRIOT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

Date form received by agency: 05/25/2007
Site name: CVI MELLES GRIOT
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

Date form received by agency: 02/23/2006
Site name: MELLES GRIOT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

Date form received by agency: 02/28/2004
Site name: MELLES GRIOT INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

CVI MELLES GRIOT (Continued) **1000240995**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

Date form received by agency: 01/28/2002
Site name: MELLES GRIOT, INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

Date form received by agency: 07/27/1999
Site name: MELLES GRIOT LASER GROUP
Classification: Small Quantity Generator

. 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: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 11/07/1995
Site name: MELLES GRIOT LASER GROUP
Classification: Small Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE

CVI MELLES GRIOT (Continued) **1000240995**

FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 10400

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 11800

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 800

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 05/14/2007
Date achieved compliance: 05/21/2007
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 06/22/2007
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: Not reported
Area of violation: Generators - General
Date violation determined: 12/12/2003
Date achieved compliance: 01/16/2004
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: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 12/08/1986
Date achieved compliance: 12/08/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported

CVI MELLES GRIOT (Continued) **1000240995**

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: 05/14/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 05/21/2007
Evaluation lead agency: EPA

Evaluation date: 12/12/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/16/2004
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 12/08/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 12/08/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 12/08/1991
Evaluation lead agency: State Contractor/Grantee

F42 **MELLES GRIOT LASER DIVISION** **RCRA-SQG** **1000281444**
NNE **2251 RUTHERFORD RD** **CA ENVIROSTOR** **CAD982499691**
< 1/8 **CARLSBAD, CA 92008** **CA San Diego Co. HMMD**
0.102 mi. **ICIS**
541 ft. **Site 2 of 2 in cluster F** **FINDS**
CA HAZNET
Relative: **ECHO**
Lower

Actual: RCRA-SQG:
296 ft. Date form received by agency: 04/15/1999
Facility name: MELLES GRIOT LASER DIVISION
Site name: MELLESGRIOT
Facility address: 2251 RUTHERFORD RD
CARLSBAD, CA 92008
EPA ID: CAD982499691
Contact: GERALD BLACK
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (760) 438-2131
Telephone ext.: 128
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous

MELLES GRIOT LASER DIVISION (Continued) **1000281444**

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:	MELLES INC
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
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

Historical Generators:

Date form received by agency:	02/22/1990
Site name:	MELLES GRIOT LASER DIVISION
Classification:	Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date:	10/23/2003
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported

MELLES GRIOT LASER DIVISION (Continued) **1000281444**

Evaluation lead agency: EPA

ENVIROSTOR:
Facility ID: 71003091
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 76
Senate: 36
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.13114
Longitude: -117.2767
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD982499691
Alias Type: EPA Identification Number
Alias Name: 110009546848
Alias Type: EPA (FRS #)
Alias Name: 71003091
Alias Type: Envirostor ID Number

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

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

SAN DIEGO CO. HMMD:
Facility Id: 129401
Business Type: 6HK67
EPA Id Number: CAL000217276
APN: 212-061-20-00

MELLES GRIOT LASER DIVISION (Continued) **1000281444**

Last HMMD Inspection:	10/14/2003
Permit Status:	INAC
Permit Expiration:	03/31/2005
Facility Owner:	Q-BIOGENE
Facility Address:	2251 RUTHERFORD RD
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92008-
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

Facility Id:	209343
Business Type:	6HK67
EPA Id Number:	CAL000329586
APN:	212-061-20-00
Last HMMD Inspection:	01/12/2010
Permit Status:	INAC
Permit Expiration:	09/30/2010
Facility Owner:	AUTO GENOMICS, INC
Facility Address:	2251 RUTHERFORDD RD
Facility City:	Carlsbad
Facility State:	CA
Facility Zip:	92008
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
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:

Facility Id:	209343
Update Date:	11/02/2012
Inspection Date:	05/20/2008
Violation Code:	6HV4201
Violation:	NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation:	A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity:	Inactive Permit

Facility Id:	209343
Update Date:	11/02/2012
Inspection Date:	05/20/2008
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	Inactive Permit

Facility Id:	209343
Update Date:	11/02/2012
Inspection Date:	05/20/2008

MELLES GRIOT LASER DIVISION (Continued) **1000281444**

Violation Code: 6HV4205
Violation: MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation: Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity: Inactive Permit

Facility Id: 209343
Update Date: 11/02/2012
Inspection Date: 05/20/2008
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: Inactive Permit

Facility Id: 215728
Business Type: 6HK18
EPA Id Number: Not reported
APN: 212-061-20-00
Last HMMD Inspection: 11/08/2011
Permit Status: INAC
Permit Expiration: 03/31/2013
Facility Owner: THE UPPER DECK COMPANY
Facility Address: 2251 RUTHERFORD RD
Facility City: Carlsbad
Facility State: CA
Facility Zip: 92008
UST Owner: Not reported
Handle Regulated Hazmat: Y
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

Violations Inactive Permits:
Facility Id: 215728
Update Date: 11/02/2012
Inspection Date: 11/08/2011
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: Inactive Permit

Facility Id: 215728
Update Date: 11/02/2012
Inspection Date: 11/08/2011
Violation Code: 6HV1004
Violation: HMBP NOT SUBMITTED TO HMD
Violation Citation: Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity: Inactive Permit

Facility Id: 215728
Update Date: 11/02/2012
Inspection Date: 11/08/2011

MELLES GRIOT LASER DIVISION (Continued) **1000281444**

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: Inactive Permit

ICIS:

Enforcement Action ID: 09-1995-0022
FRS ID: 110009546848
Program ID: FRS 110009546848
Action Name: MELLES GRIOT, INC.
Full Address: 2251 RUTHERFORD RD CARLSBAD CA 92008
State: California
Facility Name: CARLSBAD
Facility Address: 2251 RUTHERFORD RD
CARLSBAD, CA 92008
Enforcement Action Type: Civil Judicial Action
Facility County: SAN DIEGO
EPA Region #: 9

Enforcement Action ID: 09-1995-0022
FRS ID: 110009546848
Program ID: RE-POWERING 71003091-11364
Action Name: MELLES GRIOT, INC.
Full Address: 2251 RUTHERFORD RD CARLSBAD CA 92008
State: California
Facility Name: CARLSBAD
Facility Address: 2251 RUTHERFORD RD
CARLSBAD, CA 92008
Enforcement Action Type: Civil Judicial Action
Facility County: SAN DIEGO
EPA Region #: 9

Enforcement Action ID: 09-1995-0022
FRS ID: 110009546848
Program ID: RCRAINFO CAD982499691
Action Name: MELLES GRIOT, INC.
Full Address: 2251 RUTHERFORD RD CARLSBAD CA 92008
State: California
Facility Name: CARLSBAD
Facility Address: 2251 RUTHERFORD RD
CARLSBAD, CA 92008
Enforcement Action Type: Civil Judicial Action
Facility County: SAN DIEGO
EPA Region #: 9

Program ID: FRS 110009546848
Facility Name: CARLSBAD
Address: 2251 RUTHERFORD RD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3699

Program ID: FRS 110009546848

MELLES GRIOT LASER DIVISION (Continued) **1000281444**

Facility Name: CARLSBAD
Address: 2251 RUTHERFORD RD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3827

Program ID: RCRAINFO CAD982499691
Facility Name: CARLSBAD
Address: 2251 RUTHERFORD RD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3699

Program ID: RCRAINFO CAD982499691
Facility Name: CARLSBAD
Address: 2251 RUTHERFORD RD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3827

Program ID: RE-POWERING 71003091-11364
Facility Name: CARLSBAD
Address: 2251 RUTHERFORD RD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3699

Program ID: RE-POWERING 71003091-11364
Facility Name: CARLSBAD
Address: 2251 RUTHERFORD RD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3827

FINDS:

Registry ID: 110009546848

Environmental Interest/Information System

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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

MELLES GRIOT LASER DIVISION (Continued) **1000281444**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

HAZNET:

envid:	1000281444
Year:	2001
GEPAID:	CAD982499691
Contact:	JERRY BLACK-CORPORATE SAFETY
Telephone:	7604382131
Mailing Name:	Not reported
Mailing Address:	2051 PALOMAR AIRPORT ROAD 200
Mailing City,St,Zip:	CARLSBAD, CA 920098815
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Transfer Station
Tons:	1.46
Cat Decode:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode:	Transfer Station
Facility County:	San Diego

envid:	1000281444
Year:	2001
GEPAID:	CAD982499691
Contact:	JERRY BLACK-CORPORATE SAFETY
Telephone:	7604382131
Mailing Name:	Not reported
Mailing Address:	2051 PALOMAR AIRPORT ROAD 200
Mailing City,St,Zip:	CARLSBAD, CA 920098815
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2
Disposal Method:	Treatment, Tank
Tons:	3.75
Cat Decode:	Liquids with pH <= 2
Method Decode:	Treatment, Tank
Facility County:	San Diego

envid: 1000281444

MELLES GRIOT LASER DIVISION (Continued) **1000281444**

Year:	2001
GEPAID:	CAD982499691
Contact:	JERRY BLACK-CORPORATE SAFETY
Telephone:	7604382131
Mailing Name:	Not reported
Mailing Address:	2051 PALOMAR AIRPORT ROAD 200
Mailing City,St,Zip:	CARLSBAD, CA 920098815
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Transfer Station
Tons:	0.07
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Transfer Station
Facility County:	San Diego

envid:	1000281444
Year:	2001
GEPAID:	CAD982499691
Contact:	JERRY BLACK-CORPORATE SAFETY
Telephone:	7604382131
Mailing Name:	Not reported
Mailing Address:	2051 PALOMAR AIRPORT ROAD 200
Mailing City,St,Zip:	CARLSBAD, CA 920098815
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2
Disposal Method:	Recycler
Tons:	8.02
Cat Decode:	Liquids with pH <= 2
Method Decode:	Recycler
Facility County:	San Diego

envid:	1000281444
Year:	2001
GEPAID:	CAD982499691
Contact:	JERRY BLACK-CORPORATE SAFETY
Telephone:	7604382131
Mailing Name:	Not reported
Mailing Address:	2051 PALOMAR AIRPORT ROAD 200
Mailing City,St,Zip:	CARLSBAD, CA 920098815
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Not reported
Tons:	0.52
Cat Decode:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode:	Not reported
Facility County:	San Diego

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

MELLES GRIOT LASER DIVISION (Continued) **1000281444**

ECHO:
Envid: 1000281444
Registry ID: 110009546848
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110009546848

43
East
< 1/8
0.105 mi.
557 ft.

MAY BE PALOMAR AIRPORT LANDFIL **CA WMUDS/SWAT** **S101613486**
PALOMAR AIRPORT RD & EL CAMINO **N/A**
CARLSBAD, CA

Relative:
Lower

Actual:
300 ft.

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: SAN DIEGO, COUNTY OF
Agency Department: Not reported
Agency Address: Not reported
Agency City,St,Zip: Not reported
Agency Contact: Not reported
Agency Telephone: Not reported
Land Owner Name: UNKNOWN
Land Owner Address: Not reported
Land Owner City,St,Zip: CA
Land Owner Contact: Not reported
Land Owner Phone: Not reported
Region: 9
Facility Type: Not reported
Facility Description: Not reported
Facility Telephone: Not reported
SWAT Facility Name: MAY BE PALOMAR AIRPORT LANDFILL
Primary SIC: Not reported
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: Not reported
Waste Discharge System: False
Solid Waste Assessment Test Program: True
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: SAN DIEGO, COUNTY OF
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: MA
Number of WMUDS at Facility: 1

MAY BE PALOMAR AIRPORT LANDFIL (Continued) **S101613486**

Section Range:	12S04W14
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	9 370097NUR
Solid Waste Information ID:	Not reported

I44 **GENMARK DIAGNOSTICS INC** **RCRA-SQG** **1014387382**
NE **5964 LA PLACE CT** **CAR000209031**
< 1/8 **CARLSBAD, CA 92008**
0.114 mi.
600 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
343 ft.

RCRA-SQG:

Date form received by agency:	01/12/2015
Facility name:	GENMARK DIAGNOSTICS INC
Facility address:	5964 LA PLACE CT CARLSBAD, CA 92008
EPA ID:	CAR000209031
Contact:	JEFF ROGERS
Contact address:	5964 LA PLACE CT CARLSBAD, CA 92008
Contact country:	US
Contact telephone:	760-802-2767
Contact email:	JEFF.ROGERS@GENMARKDX.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NEWPORT NATIONAL CORP
Owner/operator address:	1525 FARADAY AVE STE 100 CARLSBAD, CA 92008
Owner/operator country:	US
Owner/operator telephone:	760-607-4282
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2010
Owner/Op end date:	Not reported

Owner/operator name:	GENMARK DIAGNOSTICS INC
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	07/01/2010
Owner/Op end date:	Not reported

Handler Activities Summary:

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

GENMARK DIAGNOSTICS INC (Continued) **1014387382**

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: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 343
. Waste name: 343

. Waste code: 351
. Waste name: 351

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D011
. Waste name: SILVER

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste 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

GENMARK DIAGNOSTICS INC (Continued) **1014387382**

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.

Historical Generators:
Date form received by agency: 01/14/2013
Site name: GENMARK DIAGNOSTICS INC
Classification: Small Quantity Generator

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 343
. Waste name: 343

. Waste code: 351
. Waste name: 351

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D011
. Waste name: SILVER

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste 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.

GENMARK DIAGNOSTICS INC (Continued) **1014387382**

Date form received by agency: 06/22/2010
Site name: GENMARK DIAGNOSTICS INC
Classification: Small Quantity Generator

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 343
. Waste name: 343

. Waste code: 351
. Waste name: 351

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D011
. Waste name: SILVER

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste 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.

Violation Status: No violations found

I45 NE < 1/8 0.114 mi. 600 ft. **GREENFIELD ENVIRONMENTAL**
5964 LAPLACE CT STE 150
CARLSBAD, CA 92008
Site 2 of 2 in cluster I

Database(s): RCRA NonGen / NLR, FINDS, CA HAZNET, ECHO
EDR ID Number: 1000686409
EPA ID Number: CAD983637166

Relative: Higher

Actual: 343 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/20/1995
Facility name:	GREENFIELD ENVIRONMENTAL
Facility address:	5964 LAPLACE CT STE 150 CARLSBAD, CA 92008
EPA ID:	CAD983637166
Mailing address:	INNOVATION DR SAN DIEGO, CA 92128
Contact:	JAMES SHAW
Contact address:	15151 INNOVATION DR SAN DIEGO, CA 92128
Contact country:	US
Contact telephone:	(619) 673-6000
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:	GREENFIELD ENVIRONMENTAL
Owner/operator address:	5964 LAPLACE CT STE 150 CARLSBAD, CA 92008
Owner/operator country:	Not reported
Owner/operator telephone:	(619) 431-5500
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: 110002876790

Environmental Interest/Information System

GREENFIELD ENVIRONMENTAL (Continued) **1000686409**

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

HAZNET:

envid:	1000686409
Year:	1995
GEPAID:	CAD983637166
Contact:	GREENFIELD ENVIRONMENTAL
Telephone:	6194315500
Mailing Name:	Not reported
Mailing Address:	15151 INNOVATION DRIVE
Mailing City,St,Zip:	SAN DIEGO, CA 921280000
Gen County:	Not reported
TSD EPA ID:	CAT080010101
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Not reported
Tons:	2.8000
Cat Decode:	Other inorganic solid waste
Method Decode:	Not reported
Facility County:	San Diego

envid:	1000686409
Year:	1995
GEPAID:	CAD983637166
Contact:	GREENFIELD ENVIRONMENTAL
Telephone:	6194315500
Mailing Name:	Not reported
Mailing Address:	15151 INNOVATION DRIVE
Mailing City,St,Zip:	SAN DIEGO, CA 921280000
Gen County:	Not reported
TSD EPA ID:	CAT080010101
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Not reported
Tons:	.1000
Cat Decode:	Other inorganic solid waste
Method Decode:	Not reported
Facility County:	San Diego

envid:	1000686409
Year:	1995
GEPAID:	CAD983637166
Contact:	GREENFIELD ENVIRONMENTAL
Telephone:	6194315500
Mailing Name:	Not reported
Mailing Address:	15151 INNOVATION DRIVE
Mailing City,St,Zip:	SAN DIEGO, CA 921280000
Gen County:	Not reported
TSD EPA ID:	CAT080010101
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil

GREENFIELD ENVIRONMENTAL (Continued) **1000686409**

Disposal Method: Transfer Station
Tons: .2502
Cat Decode: Waste oil and mixed oil
Method Decode: Transfer Station
Facility County: San Diego

envid: 1000686409
Year: 1995
GEPAID: CAD983637166
Contact: GREENFIELD ENVIRONMENTAL
Telephone: 6194315500
Mailing Name: Not reported
Mailing Address: 15151 INNOVATION DRIVE
Mailing City,St,Zip: SAN DIEGO, CA 921280000
Gen County: Not reported
TSD EPA ID: CAT080010101
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: 1.4000
Cat Decode: Other inorganic solid waste
Method Decode: Transfer Station
Facility County: San Diego

envid: 1000686409
Year: 1995
GEPAID: CAD983637166
Contact: GREENFIELD ENVIRONMENTAL
Telephone: 6194315500
Mailing Name: Not reported
Mailing Address: 15151 INNOVATION DRIVE
Mailing City,St,Zip: SAN DIEGO, CA 921280000
Gen County: Not reported
TSD EPA ID: CAT080010101
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Tons: .1075
Cat Decode: Unspecified oil-containing waste
Method Decode: Transfer Station
Facility County: San Diego

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

ECHO:
Envid: 1000686409
Registry ID: 110002876790
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002876790

46
North
< 1/8
0.115 mi.
606 ft.

FORECAST 3D
2221 RUTHERFORD RD
CARLSBAD, CA 92008

RCRA-SQG
CA San Diego Co. HMMD
FINDS
CA HAZNET
ECHO

1000406280
CAD980889091

Relative:
Lower

Actual:
279 ft.

RCRA-SQG:

Date form received by agency:	03/29/2016
Facility name:	FORECAST 3D
Facility address:	2221 RUTHERFORD RD CARLSBAD, CA 92008
EPA ID:	CAD980889091
Mailing address:	RUTHERFORD RD CARLSBAD, CA 92008
Contact:	RAY YEH
Contact address:	RUTHERFORD RD CARLSBAD, CA 92008
Contact country:	US
Contact telephone:	(760) 929-9380
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:	COREY WEBER & DONOVAN WEBER
Owner/operator address:	RUTHERFORD RD CARLSBAD, 92008
Owner/operator country:	US
Owner/operator telephone:	(760) 929-9380
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/31/2000
Owner/Op end date:	Not reported

Owner/operator name:	LARRY TINKER
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/01/2012
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

FORECAST 3D (Continued) **1000406280**

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: 134
. Waste name: 134

. Waste code: 181
. Waste name: 181

. Waste code: 212
. Waste name: 212

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 252
. Waste name: 252

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D008
. Waste name: LEAD

. 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

FORECAST 3D (Continued) **1000406280**

. 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: 09/23/1985
Site name: SMITH MFG, INC
Classification: Small Quantity Generator

Violation Status: No violations found

SAN DIEGO CO. HMMD:
Facility Id: 202918
Business Type: 6HK77
EPA Id Number: CAL000275746
APN: 212-070-16-00
Last HMMD Inspection: 01/06/2004
Permit Status: INAC
Permit Expiration: 05/31/2004
Facility Owner: COREY WEBER
Facility Address: 2221 RUTHERFORD RD
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92008
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

Facility Id: 102244
Business Type: 6HK35
EPA Id Number: CAD980889091
APN: 212-070-16-00
Last HMMD Inspection: 10/23/2000
Permit Status: INAC
Permit Expiration: 10/23/2000
Facility Owner: ROBERT L. SMITH
Facility Address: 2221 RUTHERFORD DR
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92008-8815
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
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

Facility Id: 202918

FORECAST 3D (Continued) **1000406280**

Business Type:	6HK77
EPA Id Number:	CAL000275746
APN:	212-070-16-00
Last HMMD Inspection:	01/06/2004
Permit Status:	INAC
Permit Expiration:	05/31/2004
Facility Owner:	COREY WEBER
Facility Address:	2221 RUTHERFORD RD
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92008
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

FINDS:

Registry ID: 110002675392

Environmental Interest/Information System

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

HAZNET:

envid:	1000406280
Year:	2002
GEPAID:	CAD980889091
Contact:	HAROLD J CRAWFORD QC MGR
Telephone:	7604382800
Mailing Name:	Not reported
Mailing Address:	2221 RUTHERFORD RD
Mailing City,St,Zip:	CARLSBAD, CA 920088815
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Not reported
Tons:	0
Cat Decode:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method Decode:	Not reported
Facility County:	San Diego

envid:	1000406280
Year:	2002
GEPAID:	CAD980889091
Contact:	HAROLD J CRAWFORD QC MGR

FORECAST 3D (Continued) **1000406280**

Telephone: 7604382800
Mailing Name: Not reported
Mailing Address: 2221 RUTHERFORD RD
Mailing City,St,Zip: CARLSBAD, CA 920088815
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Not reported
Tons: Not reported
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: 1000406280
Year: 2002
GEPAID: CAD980889091
Contact: HAROLD J CRAWFORD QC MGR
Telephone: 7604382800
Mailing Name: Not reported
Mailing Address: 2221 RUTHERFORD RD
Mailing City,St,Zip: CARLSBAD, CA 920088815
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Recycler
Tons: Not reported
Cat Decode: Not reported
Method Decode: Recycler
Facility County: San Diego

envid: 1000406280
Year: 2000
GEPAID: CAD980889091
Contact: HAROLD J CRAWFORD QC MGR
Telephone: 7604382800
Mailing Name: Not reported
Mailing Address: 2221 RUTHERFORD RD
Mailing City,St,Zip: CARLSBAD, CA 920088815
Gen County: Not reported
TSD EPA ID: CAT080022148
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Transfer Station
Tons: 1.37
Cat Decode: Unspecified aqueous solution
Method Decode: Transfer Station
Facility County: San Diego

envid: 1000406280
Year: 2000
GEPAID: CAD980889091
Contact: HAROLD J CRAWFORD QC MGR
Telephone: 7604382800
Mailing Name: Not reported
Mailing Address: 2221 RUTHERFORD RD

FORECAST 3D (Continued) **1000406280**

Mailing City,St,Zip: CARLSBAD, CA 920088815
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Organic monomer waste (includes unreacted resins)
Disposal Method: Treatment, Incineration
Tons: 0.68
Cat Decode: Organic monomer waste (includes unreacted resins)
Method Decode: Treatment, Incineration
Facility County: San Diego

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

ECHO:
Envid: 1000406280
Registry ID: 110002675392
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002675392

J47 **CAL BOND INC** **CA SAN DIEGO CO. SAM** **S100931531**
SE **6110 YARROW DR** **CA SLIC** **N/A**
< 1/8 **CARLSBAD, CA 92009** **CA San Diego Co. HMMD**
0.120 mi.
634 ft. **Site 1 of 3 in cluster J**

Relative:
Lower

Actual:
284 ft.

SAN DIEGO CO. SAM:
Case Number: H19041-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/19/1998
Date Began: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/19/1998
Global Id: T0608154125
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H19041-001
Latitude: 33.124585
Longitude: -117.273843
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Not reported
Site History: Not reported

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

SAN DIEGO CO. HMMD:
Facility Id: 119041

CAL BOND INC (Continued) **S100931531**

Business Type:	6HK36
EPA Id Number:	CAD981168131
APN:	213-070-19-00
Last HMMD Inspection:	12/10/1992
Permit Status:	INAC
Permit Expiration:	12/10/1992
Facility Owner:	CAL FLEX INC
Facility Address:	6110 YARROW DR
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92009-1534
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
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

J48 **CAL BOND INC.** **RCRA-LQG** **1007199161**
SE **6110 YARROW DRIVE** **CAD981168131**
< 1/8 **CARLSBAD, CA 92009**
0.120 mi.
634 ft. **Site 2 of 3 in cluster J**

Relative:
Lower

Actual:
284 ft.

RCRA-LQG:

Date form received by agency:	02/21/1992
Facility name:	CAL BOND INC.
Facility address:	6110 YARROW DRIVE CARLSBAD, CA 92009
EPA ID:	CAD981168131
Contact:	HAROLD L HINSBERGER
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	(714) 995-5000
Contact email:	Not reported
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

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

CAL BOND INC. (Continued) **1007199161**

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

Violation Status: No violations found

49
NE
< 1/8
0.120 mi.
634 ft.

Relative:
Higher

Actual:
314 ft.

CALLAWAY GOLF COMPANY **RCRA-LQG** **1000820520**
2285 RUTHERFORD ROAD **CA AST** **CAD983665779**
CARLSBAD, CA 92008 **CA San Diego Co. HMMD**
CA CHMIRS
US AIRS
CA EMI

RCRA-LQG:

Date form received by agency:	02/21/2008
Facility name:	CALLAWAY GOLF COMPANY
Facility address:	2285 RUTHERFORD ROAD CARLSBAD, CA 92008
EPA ID:	CAD983665779
Mailing address:	2180 RUTHERFORD ROAD CARLSBAD, CA 92008
Contact:	DOUG A CASEY
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	(760) 930-5227
Contact email:	DOUGCA@CALLAWAYGOLF.COM
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 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:	CALLAWAY GOLF COMPANY
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Owner/Operator Type: Operator
Owner/Op start date: 09/01/1989
Owner/Op end date: Not reported

Owner/operator name: CALLAWAY GOLF COMPANY
Owner/operator address: 2180 RUTHERFORD ROAD
CARLSBAD, CA 92008
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/01/1992
Owner/Op end date: Not reported

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

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. 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

CALLAWAY GOLF COMPANY (Continued) **1000820520**

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.

Historical Generators:
Date form received by agency: 03/22/2004
Site name: CALLAWAY GOLF COMPANY
Classification: Small Quantity Generator

Date form received by agency: 03/22/2004
Site name: CALLAWAY GOLF COMPANY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. 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.

Date form received by agency: 02/07/2002
Site name: CALLAWAY GOLF COMPANY
Classification: Large Quantity Generator

. Waste code: 135
. Waste name: 135

. Waste code: 171
. Waste name: 171

. Waste code: 181
. Waste name: 181

. Waste code: 221
. Waste name: 221

. Waste code: 343

CALLAWAY GOLF COMPANY (Continued) **1000820520**

. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. 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.

Date form received by agency: 10/12/2000
Site name: CALLAWAY GOLF CO.
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: CALLAWAY GOLF COMPANY
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: CALLAWAY GOLF
Classification: Large Quantity Generator

Date form received by agency: 03/18/1996
Site name: CALLAWAY GOLF
Classification: Large Quantity Generator

Date form received by agency: 03/28/1994
Site name: CALLAWAY GOLF
Classification: Large Quantity Generator

Date form received by agency: 04/26/1993
Site name: CALLAWAY GOLF
Classification: Large Quantity Generator

Violation Status: No violations found

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Evaluation Action Summary:
Evaluation date: 10/10/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

AST:
Certified Unified Program Agencies: San Diego
Owner: CALLAWAY GOLF CO
Total Gallons: 1425

SAN DIEGO CO. HMMD:
Facility Id: 132942
Business Type: 6HK50
EPA Id Number: CAD983665779
APN: 212-062-07-00
Last HMMD Inspection: 10/01/2010
Permit Status: OPEN
Permit Expiration: 07/31/2013
Facility Owner: CALLAWAY GOLF CO
Facility Address: 2285 RUTHERFORD RD
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92008-8815
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

Active Permits:
Facility Id: 132942
Update Date: 11/02/2012
Case Number: 67-63-0
Name: ISOPROPYL ALCOHOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: PAINT SOLVENT DEBRIS

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 4246-51-9
Name: 3M EPOXY W/60% TRIOXATRIDECAN,DIAMINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: ECOLINK SD 66.1
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 64742-89-8
Name: GOLF CLUB WIPE, 2 W/68% NAPTHA32% ETHANOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 64741-88-4
Name: CUTTING OIL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 68334-30-5
Name: DIESEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 98-56-6
Name: OXSOL 100 W/ 1-CHLORO-4-TRIFLUOROMETHYL-BENZENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN/ACETYLENE 74-86-2 MIX, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: STEEL MIX, 84% ARGON, 16% CARBON DIOXIDE, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 132942
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

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN/CARBON DIOXIDE/ARGON
Other Information: MIXTURE, INERGN-COMPRESSED GAS
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 64742-47-8
Name: MACHINE CUTTING OILS/COOLANTS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 25068-38-6
Name: POLYAMIDE W/ 40% BISPHENOL & EPOXY RESIN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: GRAPHITE DUST, DEBRIS, BLAST MEDIA, ZINC, POLYURETHANE
Material Waste: Waste

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 60-11-7
Name: EPOXY RESIN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE, LPG
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: PARTS BATH CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132942
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

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: PAINT SOLVENT LIQ
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: COOLANT (ETHYLENE GLYCOL)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 513 EMPTY CONTNR(LESS THAN 30 GAL)
Other Information: PROPANE CYLINDERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 132942
Update Date: 11/02/2012
Inspection Date: 10/01/2010
Violation Code: 6HV0133
Violation: MANIFEST COPY NOT SENT TO DTSC
Violation Citation: Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity: ACTIVE

Facility Id: 132942
Update Date: 11/02/2012
Inspection Date: 10/01/2010
Violation Code: 6HV0142
Violation: DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation: TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity: ACTIVE

Facility Id: 132942
Update Date: 11/02/2012
Inspection Date: 10/01/2010
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

Facility Id: 132942
Update Date: 11/02/2012
Inspection Date: 10/01/2010
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Facility Id: 132942
Update Date: 11/02/2012

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Inspection Date: 10/01/2010
Violation Code: 6HV0221
Violation: DID NOT COMPLY W/SATELLITE REGS.
Violation Citation: Failed to comply with satellite regulations. 66262.34(e)
Activity: ACTIVE

Facility Id: 132942
Business Type: 6HK50
EPA Id Number: CAD983665779
APN: 212-062-07-00
Last HMMD Inspection: 10/01/2010
Permit Status: OPEN
Permit Expiration: 07/31/2013
Facility Owner: CALLAWAY GOLF CO
Facility Address: 2285 RUTHERFORD RD
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92008-8815
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 132942
Update Date: 11/02/2012
Case Number: 67-63-0
Name: ISOPROPYL ALCOHOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: PAINT SOLVENT DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 4246-51-9

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Name: 3M EPOXY W/60% TRIOXATRIDECAN,DIAMINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: ECOLINK SD 66.1
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 64742-89-8
Name: GOLF CLUB WIPE, 2 W/68% NAPTHA32% ETHANOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 64741-88-4
Name: CUTTING OIL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 68334-30-5
Name: DIESEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 98-56-6
Name: OXSOL 100 W/ 1-CHLORO-4-TRIFLUOROMETHYL-BENZENE
Other Information: Not reported
Material Waste: Material

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN/ACETYLENE 74-86-2 MIX, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: STEEL MIX, 84% ARGON, 16% CARBON DIOXIDE, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 132942
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

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN/CARBON DIOXIDE/ARGON
Other Information: MIXTURE, INERGN-COMPRESSED GAS
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 64742-47-8
Name: MACHINE CUTTING OILS/COOLANTS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 25068-38-6
Name: POLYAMIDE W/ 40% BISPHENOL & EPOXY RESIN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: GRAPHITE DUST, DEBRIS, BLAST MEDIA, ZINC, POLYURETHANE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 74-86-2

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Name: ACETYLENE, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 60-11-7
Name: EPOXY RESIN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE, LPG
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: PARTS BATH CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132942
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

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: PAINT SOLVENT LIQ
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: COOLANT (ETHYLENE GLYCOL)
Other Information: Not reported
Material Waste: Material

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 132942
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 513 EMPTY CONTNR(LESS THAN 30 GAL)
Other Information: PROPANE CYLINDERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 132942
Update Date: 11/02/2012
Inspection Date: 10/01/2010
Violation Code: 6HV0133
Violation: MANIFEST COPY NOT SENT TO DTSC
Violation Citation: Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity: ACTIVE

Facility Id: 132942
Update Date: 11/02/2012
Inspection Date: 10/01/2010
Violation Code: 6HV0142
Violation: DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation: TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity: ACTIVE

Facility Id: 132942
Update Date: 11/02/2012
Inspection Date: 10/01/2010
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

Facility Id: 132942
Update Date: 11/02/2012
Inspection Date: 10/01/2010
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Facility Id: 132942
Update Date: 11/02/2012
Inspection Date: 10/01/2010
Violation Code: 6HV0221
Violation: DID NOT COMPLY W/SATELLITE REGS.
Violation Citation: Failed to comply with satellite regulations. 66262.34(e)
Activity: ACTIVE

CALLAWAY GOLF COMPANY (Continued) **1000820520**

CHMIRS:

OES Incident Number:	0-4499
OES notification:	10/03/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	storm drain
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Callaway Golf Comp.
Incident Date:	10/3/200012:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	water with graphite and metal grindings
Gallons:	100
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported

CALLAWAY GOLF COMPANY (Continued) **1000820520**

#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	dust collecting system malfunctioned. All went to a storm drain.

US AIRS (AFS):

Envid:	1000820520
Region Code:	09
County Code:	CA073
Programmatic ID:	AIR CASDS0000607391419
Facility Registry ID:	110000478484
D and B Number:	Not reported
Facility Site Name:	CALLAWAY GOLF
Primary SIC Code:	3949
NAICS Code:	339920
Default Air Classification Code:	SMI
Facility Type of Ownership Code:	POF
Air CMS Category Code:	OTH
HPV Status:	Not reported

US AIRS (AFS):

Region Code:	09
Programmatic ID:	AIR CASDS0000607391419
Facility Registry ID:	110000478484
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	CFC Tracking (CAA Title VI)
Activity Date:	1999-03-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607391419
Facility Registry ID:	110000478484
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	CFC Tracking (CAA Title VI)
Activity Date:	2000-08-25 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607391419
Facility Registry ID:	110000478484
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Air Program: CFC Tracking (CAA Title VI)
Activity Date: 2001-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: CFC Tracking (CAA Title VI)
Activity Date: 2002-08-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: CFC Tracking (CAA Title VI)
Activity Date: 1994-12-22 00:00:00
Activity Status Date: 1994-12-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-08-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-07-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-07-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-07-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-01-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-09-28 00:00:00
Activity Status Date: 1994-09-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1998-11-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1998-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 1999-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Activity Date: 2000-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2002-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2002-08-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2003-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2004-02-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2004-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2005-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2005-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2005-08-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607391419
Facility Registry ID: 110000478484
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Title V Permits
Activity Date: 2006-01-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Region Code:	09
Programmatic ID:	AIR CASDS0000607391419
Facility Registry ID:	110000478484
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	Title V Permits
Activity Date:	1998-10-01 00:00:00
Activity Status Date:	1998-10-01 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved

EMI:

Year:	1993
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
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:	140
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:	1995
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
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:	385
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:	1996
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Total Organic Hydrocarbon Gases Tons/Yr:	385
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:	1997
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
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:	385
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:	1998
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
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:	136
Reactive Organic Gases Tons/Yr:	52
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:	1999
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
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:	99
Reactive Organic Gases Tons/Yr:	50
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

CALLAWAY GOLF COMPANY (Continued) **1000820520**

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

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
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:	99
Reactive Organic Gases Tons/Yr:	52
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:	2001
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
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:	81
Reactive Organic Gases Tons/Yr:	46
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:	8360
Air District Name:	SD
SIC Code:	3949
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:	65
Reactive Organic Gases Tons/Yr:	32
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:	8360

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Air District Name:	SD
SIC Code:	3949
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:	65
Reactive Organic Gases Tons/Yr:	32
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:	8360
Air District Name:	SD
SIC Code:	3949
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:	64.69097414
Reactive Organic Gases Tons/Yr:	31.53031974
Carbon Monoxide Emissions Tons/Yr:	0.008878276
NOX - Oxides of Nitrogen Tons/Yr:	0.04121326
SOX - Oxides of Sulphur Tons/Yr:	0.00048422
Particulate Matter Tons/Yr:	0.002897136
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.002897136

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
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:	41.518071
Reactive Organic Gases Tons/Yr:	38.677301
Carbon Monoxide Emissions Tons/Yr:	.01
NOX - Oxides of Nitrogen Tons/Yr:	.06
SOX - Oxides of Sulphur Tons/Yr:	.000799
Particulate Matter Tons/Yr:	.0048975409836065573
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.00478

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
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:	82.85418404

CALLAWAY GOLF COMPANY (Continued) **1000820520**

Reactive Organic Gases Tons/Yr:	51.27369852
Carbon Monoxide Emissions Tons/Yr:	.03
NOX - Oxides of Nitrogen Tons/Yr:	.12
SOX - Oxides of Sulphur Tons/Yr:	.0005964
Particulate Matter Tons/Yr:	.002370824
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.002370824

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
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:	83.300667
Reactive Organic Gases Tons/Yr:	51.090587
Carbon Monoxide Emissions Tons/Yr:	.005
NOX - Oxides of Nitrogen Tons/Yr:	.02
SOX - Oxides of Sulphur Tons/Yr:	.000366
Particulate Matter Tons/Yr:	.000378
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000378

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
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:	83.300667
Reactive Organic Gases Tons/Yr:	51.090587
Carbon Monoxide Emissions Tons/Yr:	.005
NOX - Oxides of Nitrogen Tons/Yr:	.02
SOX - Oxides of Sulphur Tons/Yr:	.000366
Particulate Matter Tons/Yr:	.000378
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000378

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	8360
Air District Name:	SD
SIC Code:	3949
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:	83.340000000000003
Reactive Organic Gases Tons/Yr:	51.109999999999999
Carbon Monoxide Emissions Tons/Yr:	0.01
NOX - Oxides of Nitrogen Tons/Yr:	0.02
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

K50 **T M I** **RCRA-SQG** **1000820059**
WSW **5858 DRYDEN PL** **CA San Diego Co. HMMD** **CAD983660820**
1/8-1/4 **CARLSBAD, CA 92008** **FINDS**
0.125 mi. **CA HAZNET**
662 ft. **Site 1 of 2 in cluster K** **ECHO**

Relative:
Lower

Actual:
193 ft.

RCRA-SQG:

Date form received by agency:	03/02/1993
Facility name:	T M I
Facility address:	5858 DRYDEN PL CARLSBAD, CA 92008
EPA ID:	CAD983660820
Mailing address:	DRYDEN PL CARLSBAD, CA 92008
Contact:	DAVID ORTEGA
Contact address:	5858 DRYDEN PL CARLSBAD, CA 92008
Contact country:	US
Contact telephone:	(619) 431-1144
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:	NYTRONICS INC
Owner/operator address:	LAMBS RD PITMAN, NJ 08071
Owner/operator country:	Not reported
Owner/operator telephone:	(609) 589-7500
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

T M I (Continued) **1000820059**

SAN DIEGO CO. HMMD:

Facility Id:	200091
Business Type:	6HK66
EPA Id Number:	CAL000116326
APN:	212-091-06-00
Last HMMD Inspection:	10/13/2008
Permit Status:	INAC
Permit Expiration:	06/30/2011
Facility Owner:	CALLAWAY GOLF COMPANY
Facility Address:	2285 RUTHERFORD DR
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92008-6527
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:

Facility Id:	200091
Update Date:	11/02/2012
Inspection Date:	10/10/2003
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

Facility Id:	200091
Update Date:	11/02/2012
Inspection Date:	10/10/2003
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	Inactive Permit

Facility Id:	128905
Business Type:	6HK66
EPA Id Number:	CAL000116326
APN:	212-091-06-00
Last HMMD Inspection:	03/28/2002
Permit Status:	INAC
Permit Expiration:	11/30/2002
Facility Owner:	CALLAWAY GOLF COMPANY
Facility Address:	2285 RUTHERFORD DR
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92008-6527
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported

T M I (Continued) **1000820059**

Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

FINDS:

Registry ID: 110002893691

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

HAZNET:

envid: 1000820059
Year: 1994
GEPAID: CAD983660820
Contact: NYTRONICS INC LAMBS RD
Telephone: 6095897500
Mailing Name: Not reported
Mailing Address: 5858 DRYDEN PL
Mailing City,St,Zip: CARLSBAD, CA 920086527
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 4.1700
Cat Decode: Waste oil and mixed oil
Method Decode: Recycler
Facility County: San Diego

envid: 1000820059
Year: 1994
GEPAID: CAD983660820
Contact: NYTRONICS INC LAMBS RD
Telephone: 6095897500
Mailing Name: Not reported
Mailing Address: 5858 DRYDEN PL
Mailing City,St,Zip: CARLSBAD, CA 920086527
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Tons: 3.7530
Cat Decode: Waste oil and mixed oil
Method Decode: Not reported
Facility County: San Diego

envid: 1000820059
Year: 1993

T M I (Continued) **1000820059**

GEPAID: CAD983660820
Contact: NYTRONICS INC LAMBS RD
Telephone: 6095897500
Mailing Name: Not reported
Mailing Address: 5858 DRYDEN PL
Mailing City,St,Zip: CARLSBAD, CA 920086527
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.18759999999
Cat Decode: Waste oil and mixed oil
Method Decode: Recycler
Facility County: San Diego

envid: 1000820059
Year: 1993
GEPAID: CAD983660820
Contact: NYTRONICS INC LAMBS RD
Telephone: 6095897500
Mailing Name: Not reported
Mailing Address: 5858 DRYDEN PL
Mailing City,St,Zip: CARLSBAD, CA 920086527
Gen County: Not reported
TSD EPA ID: CAT080010101
TSD County: Not reported
Waste Category: Off-specification, aged or surplus inorganics
Disposal Method: Transfer Station
Tons: 0.12640000000
Cat Decode: Off-specification, aged or surplus inorganics
Method Decode: Transfer Station
Facility County: San Diego

envid: 1000820059
Year: 1993
GEPAID: CAD983660820
Contact: NYTRONICS INC LAMBS RD
Telephone: 6095897500
Mailing Name: Not reported
Mailing Address: 5858 DRYDEN PL
Mailing City,St,Zip: CARLSBAD, CA 920086527
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.4587
Cat Decode: Unspecified solvent mixture
Method Decode: Recycler
Facility County: San Diego

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

ECHO:
Envid: 1000820059

T M I (Continued) **1000820059**

Registry ID: 110002893691
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002893691

K51 **CALLAWAY GOLF COMPANY - BUILDING 5** **RCRA-CESQG** **1010313092**
WSW **5858 DRYDEN PLACE** **CAL000116326**
1/8-1/4 **CARLSBAD, CA 92008**
0.125 mi.
662 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
193 ft.

RCRA-CESQG:

Date form received by agency:	02/17/2006
Facility name:	CALLAWAY GOLF COMPANY - BUILDING 5
Facility address:	5858 DRYDEN PLACE CARLSBAD, CA 92008
EPA ID:	CAL000116326
Mailing address:	2180 RUTHERFORD ROAD CARLSBAD, CA 92008
Contact:	DOUG A CASEY
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	(760) 930-5227
Contact email:	DOUGCA@CALLAWAYGOLF.COM
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:	CALLAWAY GOLF COMPANY
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	09/01/1989
Owner/Op end date:	Not reported

Owner/operator name:	CALLAWAY GOLF COMPANY
Owner/operator address:	2180 RUTHERFORD ROAD CARLSBAD, CA 92008
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private

CALLAWAY GOLF COMPANY - BUILDING 5 (Continued) **1010313092**

Owner/Operator Type: Owner
Owner/Op start date: 09/01/1992
Owner/Op end date: Not reported

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

. Waste code: D001
. Waste name: IGNITABLE WASTE

. 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.

. Waste code: P108
. Waste name: STRYCHNIDIN-10-ONE, & SALTS (OR) STRYCHNINE, & SALTS

Violation Status: No violations found

L52 **PALOMAR AIRPORT SANITARY LANDFILL** **CA SWF/LF** **S109286940**
SSW **2016 PALOMAR AIRPORT ROAD** **CA LUST** **N/A**
1/8-1/4 **CARLSBAD, CA 92008** **CA SLIC**
0.128 mi. **CA LDS**
675 ft. **Site 1 of 3 in cluster L** **CA ENF**

Relative:
Lower

Actual:
223 ft.

SWF/LF (SWIS):
Region: STATE
Facility ID: 37-AH-0002
Lat/Long: 33.126670 / -117.28167
Owner Name: County Of San Diego Solid Waste Division
Owner Telephone: 6194494053
Owner Address: Not reported
Owner Address2: 5510 Overland Ave, Suite 210
Owner City,St,Zip: San Diego, CA 92123
Operational Status: Closed
Operator: Not reported
Operator Phone: Not reported
Operator Address: Not reported
Operator Address2: Not reported

PALOMAR AIRPORT SANITARY LANDFILL (Continued) **S109286940**

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: Unpermitted
Landuse Name: Not reported
GIS Source: Map
Category: Disposal
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Green Materials
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: $0.00
SWIS Num: 37-AH-0002
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 0
Actual Throughput with Units: Tons/day
Permitted Capacity with Units: 0
Remaining Capacity: 0
Remaining Capacity with Units: Tons/day
Lat/Long: 33.126670 / -117.28167

LUST:
Region: STATE
Global Id: T0607300696
Latitude: 33.1207706
Longitude: -117.280609
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/16/1996
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT1917
LOC Case Number: H13977-003
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

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

Status History:
Global Id: T0607300696
Status: Completed - Case Closed
Status Date: 07/16/1996

Global Id: T0607300696
Status: Open - Case Begin Date
Status Date: 09/11/1987

Regulatory Activities:
Global Id: T0607300696
Action Type: Other

PALOMAR AIRPORT SANITARY LANDFILL (Continued) **S109286940**

Date: 09/11/1987
Action: Leak Began

Global Id: T0607300696
Action Type: Other
Date: 09/11/1987
Action: Leak Discovery

Global Id: T0607300696
Action Type: Other
Date: 08/15/1990
Action: Leak Reported

Global Id: T0607300696
Action Type: ENFORCEMENT
Date: 02/20/1991
Action: Notice of Responsibility

Global Id: T0607300696
Action Type: Other
Date: 09/11/1987
Action: Leak Stopped

Region: STATE
Global Id: T0607300520
Latitude: 33.1207706
Longitude: -117.280609
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/04/1991
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT1722
LOC Case Number: H13977-002
File Location: Local Agency
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

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

Status History:
Global Id: T0607300520
Status: Completed - Case Closed
Status Date: 06/04/1991

Global Id: T0607300520
Status: Open - Case Begin Date
Status Date: 06/13/1990

Regulatory Activities:
Global Id: T0607300520
Action Type: ENFORCEMENT
Date: 06/13/1990
Action: Notice of Responsibility

PALOMAR AIRPORT SANITARY LANDFILL (Continued) **S109286940**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/20/1996
Global Id:	T0608146725
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H13977-004
Latitude:	33.12085
Longitude:	-117.280782
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

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

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/13/1990
Global Id:	T0608191338
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H13977-001
Latitude:	33.12085
Longitude:	-117.280782
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

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

LDS:

Global Id:	L10003501496
Latitude:	33.12651
Longitude:	-117.2771
Case Type:	Land Disposal Site
Status:	Open - Verification Monitoring
Status Date:	07/20/2010
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Caseworker:	CQC
Local Agency:	Not reported
RB Case Number:	2090032
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Other Groundwater (uses other than drinking water)
EDR Link ID:	L10003501496
Potential Contaminants of Concern:	Benzene, Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE),

PALOMAR AIRPORT SANITARY LANDFILL (Continued) **S109286940**

Trichloroethylene (TCE), Vinyl chloride, Other inorganic / salt, Other Metal

Site History: Landfill is regulated by waste discharge requirements issued by the San Diego Water Board as Order 96-13 (and addenda thereto). The WDRs are available form 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:	247472
Agency Name:	San Diego County Dept of Public Works
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	County Agency
# Of Agencies:	1
Place Latitude:	33.12094
Place Longitude:	-117.2807
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:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000362
Reg Measure Id:	142846
Reg Measure Type:	WDR
Region:	9
Order #:	R9-1996-0013
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported

PALOMAR AIRPORT SANITARY LANDFILL (Continued) **S109286940**

301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	02/22/2014
Effective Date:	02/08/1996
Expiration/Review Date:	04/30/2016
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	2000-12-01 00:00:00
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	2014-02-12 00:00:00
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):	261135
Region:	9
Order / Resolution Number:	R9-2004-0038
Enforcement Action Type:	13267 Letter
Effective Date:	01/30/2004
Adoption/Issuance Date:	01/30/2004
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Order R9-2004-0038, Investigation Order Palomar Airport Landfill
Description:	Investigation Order for condition of cover at Palomar Airport LF. Tenant proposes to demolish existing Hanger No. 3 and excavate material from existing landfill cover. Required discharger to submit a technical evaluation of possible impacts of Hanger 3 Demolition Project
Program:	LFNONOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	247472
Agency Name:	San Diego County Dept of Public Works
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	County Agency
# Of Agencies:	1
Place Latitude:	33.12094
Place Longitude:	-117.2807
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems

PALOMAR AIRPORT SANITARY LANDFILL (Continued) **S109286940**

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:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000362
Reg Measure Id:	142846
Reg Measure Type:	WDR
Region:	9
Order #:	R9-1996-0013
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:	02/22/2014
Effective Date:	02/08/1996
Expiration/Review Date:	04/30/2016
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	2000-12-01 00:00:00
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	2014-02-12 00:00:00
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):	248570
Region:	9
Order / Resolution Number:	R9-2002-300
Enforcement Action Type:	Notice of Violation
Effective Date:	09/06/2002
Adoption/Issuance Date:	Not reported

PALOMAR AIRPORT SANITARY LANDFILL (Continued) **S109286940**

Achieve Date:	Not reported
Termination Date:	09/06/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Order R9-2002-300, NOV for unpermitted discharge Palomar Airport LF
Description:	NOV for unpermitted discharge of liquid wastes (water with VOCs) into a surface water drainage. Reportedly discharge from a subdrain with polluted groundwater southern end of Waste Management Unit No. 1 at Palomar Airport Landfill.
Program:	LFNONOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	247472
Agency Name:	San Diego County Dept of Public Works
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	County Agency
# Of Agencies:	1
Place Latitude:	33.12094
Place Longitude:	-117.2807
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:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1

PALOMAR AIRPORT SANITARY LANDFILL (Continued) **S109286940**

WDID:	9 000000362
Reg Measure Id:	142846
Reg Measure Type:	WDR
Region:	9
Order #:	R9-1996-0013
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:	02/22/2014
Effective Date:	02/08/1996
Expiration/Review Date:	04/30/2016
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	2000-12-01 00:00:00
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	2014-02-12 00:00:00
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):	234153
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	04/22/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	2000-08-30
Termination Date:	04/22/1999
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000362
Description:	Unit 1: inadequate drainage. Unit 2 - inadequate landfill cover, many cracks. Also ponded water on landfill cover over a landfill gas vault. Unit 3-erosion gullies.
Program:	LFNONOPER
Latest Milestone Completion Date:	2000-08-30
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00
Region:	9
Facility Id:	247472
Agency Name:	San Diego County Dept of Public Works
Place Type:	Waste Management Unit

PALOMAR AIRPORT SANITARY LANDFILL (Continued) **S109286940**

Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	County Agency
# Of Agencies:	1
Place Latitude:	33.12094
Place Longitude:	-117.2807
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:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	9 000000362
Reg Measure Id:	142846
Reg Measure Type:	WDR
Region:	9
Order #:	R9-1996-0013
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:	02/22/2014
Effective Date:	02/08/1996
Expiration/Review Date:	04/30/2016
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	2000-12-01 00:00:00
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	2014-02-12 00:00:00
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I

PALOMAR AIRPORT SANITARY LANDFILL (Continued) **S109286940**

Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	234094
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	03/29/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	03/29/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000362
Description:	NOV #2000-60 issued based on routine inspection on 3/13/00. The County of San Diego failed to provide a workplan 30 days prior to destruction of monitoring wells. Destroyed monitoring wells were noted during the inspection.
Program:	LFNONOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Region:	9
Facility Id:	247472
Agency Name:	Not reported
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	33.12094
Place Longitude:	-117.2807
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:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported

PALOMAR AIRPORT SANITARY LANDFILL (Continued) **S109286940**

Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	249857
Region:	9
Order / Resolution Number:	R9-2004-0038
Enforcement Action Type:	13267 Letter
Effective Date:	01/30/2004
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 000000362
Description:	Tenant proposes to demolish existing Hanger No. 3 and excavate material from existing landfill cover. Required discharger to submit a technical evaluation of possible impacts of Hanger 3 Demolition Project upon the existing landfill cover.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00

PALOMAR AIRPORT SANITARY LANDFILL (Continued) **S109286940**

Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

L53 **AIR RESORTS AIRLINES** **CA SAN DIEGO CO. SAM** **S106060663**
SSW **2016 PALOMAR AIRPORT RD** **CA San Diego Co. HMMD** **N/A**
1/8-1/4 **CARLSBAD, CA 92008**
0.128 mi.
675 ft. **Site 2 of 3 in cluster L**

Relative:
Lower

Actual:
223 ft.

SAN DIEGO CO. SAM:

Case Number:	H13977-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	6/13/1990
Date Began:	8/11/1989

Case Number:	H13977-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	6/4/1991
Date Began:	6/13/1990

Case Number:	H13977-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	7/16/1996
Date Began:	9/11/1987

Case Number:	H13977-004
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Complaint
Facility Status:	Closed Case
Date:	11/20/1996
Date Began:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	108463
Business Type:	6HK50
EPA Id Number:	CAL000017509
APN:	DEH-108463
Last HMMD Inspection:	08/12/1994
Permit Status:	INAC
Permit Expiration:	08/12/1994
Facility Owner:	W F YOAK
Facility Address:	2016 PALOMAR AIRPORT RD #A
Facility City:	CARLSBAD
Facility State:	CA

AIR RESORTS AIRLINES (Continued) **S106060663**

Facility Zip:	92008-4812
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
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

M54 **WCM WASTE & COMPLIANCE** **CA San Diego Co. HMMD** **S108207627**
ESE **6054 CORTE DEL CEDRO** **CA MWMP** **N/A**
1/8-1/4 **CARLSBAD, CA 92011**
0.131 mi.
692 ft. **Site 1 of 2 in cluster M**

Relative:
Lower

Actual:
259 ft.

SAN DIEGO CO. HMMD:

Facility Id:	209407
Business Type:	6HK68
EPA Id Number:	Not reported
APN:	213-080-17-00
Last HMMD Inspection:	04/15/2010
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Facility Owner:	GREGG R SHORT
Facility Address:	6054 CORTE DEL CEDRO
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92011
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
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

Active Permits:

Facility Id:	209407
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ALDEX
Other Information:	CROSS-LINKED POLYPROTIC RESIN
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	209407
Update Date:	11/02/2012
Case Number:	Not reported
Name:	NMA MONOMER, 48% AQUEOUS, INHIBITED
Other Information:	NMA
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Facility Id:	209407
Update Date:	11/02/2012
Case Number:	Not reported

WCM WASTE & COMPLIANCE (Continued) **S108207627**

Name: POLYACRYLATE
Other Information: MEDI-GEL 500
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 209407
Update Date: 11/02/2012
Case Number: 57-13-6
Name: UREA (DRY)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

MWMP:
Facility Type: Transfer Only
Contact Name: Jim Panigall
Contact Phone: 760-930-9101
Registration Number: TS-68

N55 **SYNERGEYES INC** **RCRA-LQG** **1018274068**
North **2232 RUTHERFORD RD** **CAR000263111**
1/8-1/4 **CARLSBAD, CA 92008**
0.141 mi.
746 ft. **Site 1 of 2 in cluster N**

Relative:
Lower

Actual:
282 ft.

RCRA-LQG:
Date form received by agency: 05/06/2016
Facility name: SYNERGEYES INC
Facility address: 2232 RUTHERFORD RD
CARLSBAD, CA 92008
EPA ID: CAR000263111
Mailing address: RUTHERFORD RD
CARLSBAD, CA 92008
Contact: CHRISTOPHER JENNINGS
Contact address: RUTHERFORD RD
CARLSBAD, CA 92008
Contact country: US
Contact telephone: 760-444-9647
Contact email: CJENNINGS@SYNERGEYES.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

SYNERGEYES INC (Continued) **1018274068**

Owner/Operator Summary:
Owner/operator name: AREP LO RESEARCH CENTER PLAZA LLC
Owner/operator address: B ST STE 2480 C/O LPC WEST LLC
SAN DIEGO, 92101
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/24/2014
Owner/Op end date: Not reported

Owner/operator name: SYNERGEYES INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/24/2014
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: 122
. Waste name: 122

. Waste code: 212
. Waste name: 212

. Waste code: 271
. Waste name: 271

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

SYNERGEYES INC (Continued) **1018274068**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. 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.

Violation Status: No violations found

G56 **CALLAWAY GOLF CO** **RCRA-LQG** **1001404384**
NNW **2180 RUTHERFORD RD** **CA San Diego Co. HMMD** **CAR000047381**
1/8-1/4 **CARLSBAD, CA 92008** **FINDS**
0.142 mi. **CA EMI**
748 ft. **Site 3 of 3 in cluster G** **CA NPDES**
ECHO

Relative:
Lower

Actual:
278 ft.

RCRA-LQG:
Date form received by agency: 02/21/2008
Facility name: CALLAWAY GOLF COMPANY
Facility address: 2180 RUTHERFORD ROAD
CARLSBAD, CA 92008
EPA ID: CAR000047381
Contact: DOUG A CASEY
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (760) 930-5227
Contact email: DOUGCA@CALLAWAYGOLF.COM
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 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: CALLAWAY GOLF COMPANY
Owner/operator address: Not reported

CALLAWAY GOLF CO (Continued) **1001404384**

Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/01/1989
Owner/Op end date: Not reported

Owner/operator name: CALLAWAY GOLF COMPANY
Owner/operator address: 2180 RUTHERFORD ROAD
CARLSBAD, CA 92008
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/01/1992
Owner/Op end date: Not reported

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

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

CALLAWAY GOLF CO (Continued) **1001404384**

Historical Generators:
Date form received by agency: 02/17/2006
Site name: CALLAWAY GOLF COMPANY
Classification: Large Quantity Generator

. Waste code: 141
. Waste name: 141

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. 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.

Date form received by agency: 02/23/2004
Site name: CALLAWAY GOLF COMPANY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. 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

CALLAWAY GOLF CO (Continued) **1001404384**

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.

Date form received by agency: 02/02/2002
Site name: CALLAWAY GOLF COMPANY
Classification: Large Quantity Generator

. Waste code: 135
. Waste name: 135

. Waste code: 171
. Waste name: 171

. Waste code: 181
. Waste name: 181

. Waste code: 221
. Waste name: 221

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. 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

CALLAWAY GOLF CO (Continued) **1001404384**

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.

Date form received by agency: 03/29/2000
Site name: CALLAWAY GOLF BALL CO
Classification: Large Quantity Generator

Date form received by agency: 12/30/1998
Site name: CALLAWAY GOLF BALL CO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. 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.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 10/13/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/10/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

SAN DIEGO CO. HMMD:
Facility Id: 138217
Business Type: 6HK50
EPA Id Number: CAR000047381
APN: 212-070-25-00
Last HMMD Inspection: 10/01/2010

CALLAWAY GOLF CO (Continued) **1001404384**

Permit Status:	OPEN
Permit Expiration:	07/31/2013
Facility Owner:	CALLAWAY GOLF COMPANY
Facility Address:	2285 RUTHERFORD RD
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92008-
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

Active Permits:

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	101-68-8
Name:	DIPHENYLMETHANE 4, 4’ DIISOCYANATE (PARTS A & B)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	10022-70-5
Name:	SODIUM HYPOCHLORITE (12.5%)
Other Information:	BLEACH
Material Waste:	Material

CALLAWAY GOLF CO (Continued) **1001404384**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: PAIN, INK,SOLVENT DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID (AST)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: ZINC RINSEWATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: FIXER WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: SURLYN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

CALLAWAY GOLF CO (Continued) **1001404384**

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	AQUEOUS PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information:	WASTE AMMONIA WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information:	WASTE AZIRIDINE
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE*
Other Information:	MEK/ACETATE - PAINT SOLVENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	111-30-8
Name:	NALCO 2838 GLUTARALDETYDE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	Not reported
Name:	NALCO LCS 20
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	1310-73-2

CALLAWAY GOLF CO (Continued) **1001404384**

Name: SODIUM HYDROXIDE SOLUTION
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: VARIOUS OILS & LUBRICANTS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: ETHYLENE GLYCOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: PAINT SOLVENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: AQUALAR CONCENTRATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: NALCO TRI-ACT INHIBITOR
Other Information: NALCO TRI-ACT 2813 INHIBITOR
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: SEMISYNTHETIC CUTTING FLUID
Other Information: Not reported
Material Waste: Material

CALLAWAY GOLF CO (Continued) **1001404384**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: 13824-96-9
Name: SODIUM HYPOBROMITE 20% (STABREX ST20) (AST)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: TOLUENE, XYLENE, PROPYLENE, GLYCOL MONOMETHYL ETHER
Other Information: SPALDING CLEANER E
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N*
Other Information: WASTE PAINT PROCESS WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE PETROLEUM, OIL AND LUBRICANTS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: 68334-30-5
Name: DIESEL FUEL (AST)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 138217
Update Date: 11/02/2012
Case Number: 7440-59-7
Name: HELIUM GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

CALLAWAY GOLF CO (Continued) **1001404384**

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	Not reported
Name:	HYDRAULIC OIL
Other Information:	RANDO HD 68, 32, 46 OIL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	138217
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

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	9003-17-2
Name:	POLYBUTODIENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	DIMETHYTHIOTOLUENE DIAMIDE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	OILY DEBRIS, BLAST MEDIA, DUST COLLECTOR SLUDGE, ZINC
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	138217
Update Date:	11/02/2012
Case Number:	7631-90-5

CALLAWAY GOLF CO (Continued) **1001404384**

Name: SODIUM BISULFITE (40%) (NALCO 2548 OXYGEN SCAVENGER) (AST)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: 64665-57-2
Name: SODIUMTOLYLTRIAZOLE (NALCO 2807T
Other Information: CORROSION INHIBITOR) (AST)
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 138217
Update Date: 11/02/2012
Case Number: 811-97-2
Name: TETRAFLUOROETHANE, FORANE 134A
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 138217
Update Date: 11/02/2012
Inspection Date: 10/01/2010
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

Facility Id: 138217
Update Date: 11/02/2012
Inspection Date: 10/01/2010
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

FINDS:

Registry ID: 110002925782

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.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that

CALLAWAY GOLF CO (Continued) **1001404384**

these facilities release directly to air, water, land, or that are transported off-site.

HAZARDOUS AIR POLLUTANT MAJOR

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

HAZARDOUS WASTE BIENNIAL REPORTER

EMI:

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	97629
Air District Name:	SD
SIC Code:	3949
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:	9
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
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:	97629
Air District Name:	SD
SIC Code:	3949
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:	9
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
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:	97629
Air District Name:	SD
SIC Code:	3949
Air District Name:	SAN DIEGO COUNTY APCD

CALLAWAY GOLF CO (Continued) **1001404384**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
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:	97629
Air District Name:	SD
SIC Code:	3949
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:	8.885114317
Reactive Organic Gases Tons/Yr:	5.348319885
Carbon Monoxide Emissions Tons/Yr:	0.7164658
NOX - Oxides of Nitrogen Tons/Yr:	0.93459775
SOX - Oxides of Sulphur Tons/Yr:	0.015064
Particulate Matter Tons/Yr:	0.1819685
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.1817815

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	97629
Air District Name:	SD
SIC Code:	3949
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:	8.84504
Reactive Organic Gases Tons/Yr:	5.31488
Carbon Monoxide Emissions Tons/Yr:	.7131
NOX - Oxides of Nitrogen Tons/Yr:	.91
SOX - Oxides of Sulphur Tons/Yr:	.015061
Particulate Matter Tons/Yr:	.1609
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.160864

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	97629
Air District Name:	SD
SIC Code:	3949
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:	9.0621154
Reactive Organic Gases Tons/Yr:	9.0171731
Carbon Monoxide Emissions Tons/Yr:	.55010208
NOX - Oxides of Nitrogen Tons/Yr:	.5760024

CALLAWAY GOLF CO (Continued) **1001404384**

SOX - Oxides of Sulphur Tons/Yr: .0052978
Particulate Matter Tons/Yr: .05295182
Part. Matter 10 Micrometers and Smllr Tons/Yr: .052325216

Year: 2007
County Code: 37
Air Basin: SD
Facility ID: 97629
Air District Name: SD
SIC Code: 3949
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: 79.764409
Reactive Organic Gases Tons/Yr: 41.322863
Carbon Monoxide Emissions Tons/Yr: .00718508
NOX - Oxides of Nitrogen Tons/Yr: .03844
SOX - Oxides of Sulphur Tons/Yr: .0008518
Particulate Matter Tons/Yr: .0026208
Part. Matter 10 Micrometers and Smllr Tons/Yr: .0025558

Year: 2008
County Code: 37
Air Basin: SD
Facility ID: 97629
Air District Name: SD
SIC Code: 3949
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: 45.69851
Reactive Organic Gases Tons/Yr: 33.749949
Carbon Monoxide Emissions Tons/Yr: .0312
NOX - Oxides of Nitrogen Tons/Yr: .07189
SOX - Oxides of Sulphur Tons/Yr: .001392
Particulate Matter Tons/Yr: .00392
Part. Matter 10 Micrometers and Smllr Tons/Yr: .003794

Year: 2009
County Code: 37
Air Basin: SD
Facility ID: 97629
Air District Name: SD
SIC Code: 3949
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: 45.740000000000002
Reactive Organic Gases Tons/Yr: 33.793999999999997
Carbon Monoxide Emissions Tons/Yr: 5.0000000000000003E-2
NOX - Oxides of Nitrogen Tons/Yr: 8.9999999999999997E-2
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

CALLAWAY GOLF CO (Continued) **1001404384**

Air Basin:	SD
Facility ID:	97629
Air District Name:	SD
SIC Code:	3949
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:	27.875648999999999
Reactive Organic Gases Tons/Yr:	21.067198000000001
Carbon Monoxide Emissions Tons/Yr:	6.4582850000000002E-3
NOX - Oxides of Nitrogen Tons/Yr:	0.030889
SOX - Oxides of Sulphur Tons/Yr:	0.0007961
Particulate Matter Tons/Yr:	3.7490000000000002E-3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.003718

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	97629
Air District Name:	SD
SIC Code:	3949
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:	22.58
Reactive Organic Gases Tons/Yr:	13.41
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0.06
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	97629
Air District Name:	SD
SIC Code:	3949
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:	10.68
Reactive Organic Gases Tons/Yr:	5.38
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0.04
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2013
County Code:	37
Air Basin:	SD
Facility ID:	97629
Air District Name:	SD
SIC Code:	3949
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

CALLAWAY GOLF CO (Continued) **1001404384**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10.68
Reactive Organic Gases Tons/Yr:	5.38
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0.04
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2014
County Code:	37
Air Basin:	SD
Facility ID:	97629
Air District Name:	SD
SIC Code:	3949
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:	10.648611
Reactive Organic Gases Tons/Yr:	5.357727
Carbon Monoxide Emissions Tons/Yr:	0.00653500118
NOX - Oxides of Nitrogen Tons/Yr:	0.02663
SOX - Oxides of Sulphur Tons/Yr:	0.00014319
Particulate Matter Tons/Yr:	0.002162
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.002115

Year:	2015
County Code:	37
Air Basin:	SD
Facility ID:	97629
Air District Name:	SD
SIC Code:	3949
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:	10.648611
Reactive Organic Gases Tons/Yr:	5.357727
Carbon Monoxide Emissions Tons/Yr:	0.00653500118
NOX - Oxides of Nitrogen Tons/Yr:	0.02663
SOX - Oxides of Sulphur Tons/Yr:	0.00014319
Particulate Matter Tons/Yr:	0.002162
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.002115

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	328640
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C348288
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

CALLAWAY GOLF CO (Continued) **1001404384**

Termination Date Of Regulatory Measure:	9/23/2008
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	5/9/2008
PROCESSED DATE:	8/8/2007
STATUS CODE NAME:	Terminated
STATUS DATE:	9/23/2008
PLACE SIZE:	1.5
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	David Erb
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	858-967-0880
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Callaway Golf
OPERATOR ADDRESS:	2180 Rutherford Rd
OPERATOR CITY:	Carlsbad
OPERATOR STATE:	California
OPERATOR ZIP:	92008
OPERATOR CONTACT NAME:	Mike Majors
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	760-930-8555
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Pacific Building Group
DEVELOPER ADDRESS:	19752 Aspen Creek Ct Ste 150
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92126
DEVELOPER CONTACT NAME:	Dan Monda
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:	Y
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:	904.31 Agua Hedionda Creek
CERTIFIER NAME:	Not reported

CALLAWAY GOLF CO (Continued) **1001404384**

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:	218579
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I013517
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:	5/9/2008
PROCESSED DATE:	11/14/1997
STATUS CODE NAME:	Active
STATUS DATE:	11/14/1997
PLACE SIZE:	5
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Doug Casey
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	760-930-5227
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	dougca@callawaygolf.com
OPERATOR NAME:	Callaway Golf Co
OPERATOR ADDRESS:	2180 Rutherford Rd
OPERATOR CITY:	Carlsbad
OPERATOR STATE:	California
OPERATOR ZIP:	92008
OPERATOR CONTACT NAME:	Doug Casey
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	760-930-5227
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	dougca@callawaygolf.com
OPERATOR TYPE:	Other
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:	760-930-5000
EMERGENCY PHONE EXT:	Not reported

CALLAWAY GOLF CO (Continued) **1001404384**

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:	Agua Hedionda Lagoon
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3949-Sporting and Athletic Goods, NEC
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:	218735
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I015714
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:	5/9/2008
PROCESSED DATE:	3/30/2000
STATUS CODE NAME:	Active
STATUS DATE:	3/30/2000
PLACE SIZE:	11
PLACE SIZE UNIT:	52
FACILITY CONTACT NAME:	Doug Casey
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	760-804-4000
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Callaway Golf Ball Co
OPERATOR ADDRESS:	2180 Rutherford Rd

CALLAWAY GOLF CO (Continued) **1001404384**

OPERATOR CITY:	Carlsbad
OPERATOR STATE:	California
OPERATOR ZIP:	92008
OPERATOR CONTACT NAME:	Doug Casey
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	760-930-5227
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
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:	760-804-4000
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:	Aqua Hedionda Lagoon
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3949-Sporting and Athletic Goods, NEC
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	218579
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I013517
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/14/1997
Expiration Date Of Regulatory Measure:	Not reported

CALLAWAY GOLF CO (Continued) **1001404384**

Termination Date Of Regulatory Measure:	06/03/2015
Discharge Name:	Callaway Golf Co
Discharge Address:	2180 Rutherford Rd
Discharge City:	Carlsbad
Discharge State:	California
Discharge Zip:	92008
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
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

CALLAWAY GOLF CO (Continued) **1001404384**

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:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	218735
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I015714
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/30/2000
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	03/13/2015
Discharge Name:	Callaway Golf Ball Co
Discharge Address:	2180 Rutherford Rd
Discharge City:	Carlsbad
Discharge State:	California
Discharge Zip:	92008
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

CALLAWAY GOLF CO (Continued) **1001404384**

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

ECHO:

Envid:	1001404384
Registry ID:	110002925782
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110002925782

M57 **SCHMUCKLE PAINTING INC** **RCRA-SQG** **1007447216**
ESE **6084 CORTE DEL CEDRO** **CAR000153726**
1/8-1/4 **CARLSBAD, CA 92009**
0.147 mi.
777 ft. **Site 2 of 2 in cluster M**

Relative:
Lower

Actual:
243 ft.

RCRA-SQG:

Date form received by agency:	06/04/2004
Facility name:	SCHMUCKLE PAINTING INC
Facility address:	6084 CORTE DEL CEDRO STE 100 CARLSBAD, CA 92009
EPA ID:	CAR000153726
Contact:	BRIAN C SCHMUCKLE
Contact address:	6084 CORTE DEL CEDRO STE 100 CARLSBAD, CA 92009
Contact country:	US
Contact telephone:	760-753-1483
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

SCHMUCKLE PAINTING INC (Continued) **1007447216**

Owner/Operator Summary:
Owner/operator name: BRIAN SCHMUCKLE
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/01/2003
Owner/Op end date: Not reported

Owner/operator name: BRIAN SCHMUCKLE
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/01/2003
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: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

L58 **HUGHES HELICOPTERS** **RCRA NonGen / NLR** **1000241031**
SSW **2006 PALOMAR AIRPORT ROAD** **FINDS** **CAT000611103**
1/8-1/4 **CARLSBAD, CA 92008** **ECHO**
0.148 mi.
781 ft. **Site 3 of 3 in cluster L**

Relative:
Lower

Actual:
208 ft.

RCRA NonGen / NLR:
Date form received by agency: 08/06/1980
Facility name: HUGHES HELICOPTERS
Facility address: 2006 PALOMAR AIRPORT ROAD
CARLSBAD, CA 92008
EPA ID: CAT000611103
Mailing address: CENTINELA AT TEALE
CULVER CITY, CA 90230
Contact: ENVIRONMENTAL MANAGER

HUGHES HELICOPTERS (Continued) **1000241031**

Contact address: 2006 PALOMAR AIRPORT ROAD
CARLSBAD, CA 92008
Contact country: US
Contact telephone: (213) 305-3728
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: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
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: 110002942745

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,

HUGHES HELICOPTERS (Continued) **1000241031**

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.

ECHO:
Envid: 1000241031
Registry ID: 110002942745
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002942745

J59 **METORAMIC SCIENCES INC** **RCRA-SQG** **1000341036**
SE **6150-A YARROW DR** **CAD982492985**
1/8-1/4 **CARLSBAD, CA 92009**
0.160 mi.
844 ft. **Site 3 of 3 in cluster J**

Relative:
Lower

Actual:
261 ft.

RCRA-SQG:
Date form received by agency: 06/27/1990
Facility name: METORAMIC SCIENCES INC
Facility address: 6150-A YARROW DR
CARLSBAD, CA 92009
EPA ID: CAD982492985
Mailing address: YARROW DR
CARLSBAD, CA 92009
Contact: ENVIRONMENTAL MANAGER
Contact address: 6150 A YARROW DR
CARLSBAD, CA 92009
Contact country: US
Contact telephone: (619) 438-8404
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: ELECTRO SCIENTIFIC INDUSTRIES INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported

METORAMIC SCIENCES INC (Continued) **1000341036**

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

O60 **SIERRACIN MAGNEDYNE** **CA San Diego Co. HMMD** **1000368710**
NNE **2258 RUTHERFORD RD** **RCRA NonGen / NLR** **CAD981396971**
1/8-1/4 **CARLSBAD, CA 92008** **FINDS**
0.160 mi. **CA HAZNET**
847 ft. **Site 1 of 2 in cluster O** **ECHO**

Relative:
Lower

Actual:
295 ft.

SAN DIEGO CO. HMMD:
Facility Id: 109190
Business Type: 6HK37
EPA Id Number: CAL000148302
APN: 212-061-18-00
Last HMMD Inspection: 12/17/2002
Permit Status: CHNG
Permit Expiration: 06/30/2003
Facility Owner: NO FEAR, INC.
Facility Address: 2251 FARADAY AVE
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92008-
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

Facility Id: 203463
Business Type: 6HK55
EPA Id Number: CAL000282474
APN: 212-061-18-00
Last HMMD Inspection: 10/06/2010
Permit Status: OPEN
Permit Expiration: 08/31/2013
Facility Owner: SKIVA GRAPHICS, INC
Facility Address: 2258 RUTHERFORD RD
Facility City: CARLSBAD

SIERRACIN MAGNEDYNE (Continued) **1000368710**

Facility State:	CA
Facility Zip:	92008
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

Active Permits:

Facility Id:	203463
Update Date:	11/02/2012
Case Number:	Not reported
Name:	SPOT REMOVER
Other Information:	30% PERC.
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	203463
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	INK SLUDGE 50/50 CLEANER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	203463
Update Date:	11/02/2012
Case Number:	MIX
Name:	2-PROPANOL 5%
Other Information:	DEGREASER / CF D-Y
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	203463
Update Date:	11/02/2012
Case Number:	20324-32-7
Name:	PROPANOL 5%
Other Information:	: PTC FLOOR CLEANER
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	203463
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WILFLEX INK: ALL COLORS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Violations Active Permits:

SIERRACIN MAGNEDYNE (Continued) **1000368710**

Facility Id:	203463
Update Date:	11/02/2012
Inspection Date:	03/04/2009
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

Facility Id:	203463
Update Date:	11/02/2012
Inspection Date:	10/06/2010
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

Facility Id:	203463
Update Date:	11/02/2012
Inspection Date:	10/06/2010
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

Facility Id:	203463
Update Date:	11/02/2012
Inspection Date:	03/04/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

Facility Id:	203463
Update Date:	11/02/2012
Inspection Date:	03/04/2009
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

Facility Id:	203463
Update Date:	11/02/2012
Inspection Date:	10/06/2010
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

RCRA NonGen / NLR:

Date form received by agency:	09/09/1998
Facility name:	SIERRACIN MAGNEDYNE
Facility address:	2258 RUTHERFORD RD

SIERRACIN MAGNEDYNE (Continued) **1000368710**

CARLSBAD, CA 92008
EPA ID: CAD981396971
Mailing address: PO BOX 458
CARLSBAD, CA 92008
Contact: AIDA SANDERS
Contact address: KOLLMORGEN MAGNEDYNE 1360 PARK CENTER DR
VISTA, CA 92083
Contact country: US
Contact telephone: (760) 727-1811
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: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SIERRACIN CORPORATION
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

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

Historical Generators:
Date form received by agency: 09/01/1996
Site name: SIERRACIN MAGNEDYNE
Classification: Large Quantity Generator

SIERRACIN MAGNEDYNE (Continued) **1000368710**

Violation Status: No violations found

FINDS:

Registry ID: 110002693372

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

HAZNET:

envid:	1000368710
Year:	1996
GEPAID:	CAD981396971
Contact:	SIERRACIN MAGNEDYNE
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 458
Mailing City,St,Zip:	CARLSBAD, CA 920180458
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Recycler
Tons:	6.2550
Cat Decode:	Unspecified aqueous solution
Method Decode:	Recycler
Facility County:	San Diego

envid:	1000368710
Year:	1996
GEPAID:	CAD981396971
Contact:	SIERRACIN MAGNEDYNE
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 458
Mailing City,St,Zip:	CARLSBAD, CA 920180458
Gen County:	Not reported
TSD EPA ID:	CAD020161642
TSD County:	Not reported
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Recycler
Tons:	.4587
Cat Decode:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method Decode:	Recycler
Facility County:	San Diego

envid:	1000368710
Year:	1995
GEPAID:	CAD981396971
Contact:	SIERRACIN MAGNEDYNE

SIERRACIN MAGNEDYNE (Continued) **1000368710**

Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 458
Mailing City,St,Zip:	CARLSBAD, CA 920180458
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	20.5414
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Recycler
Facility County:	San Diego

envid:	1000368710
Year:	1995
GEPAID:	CAD981396971
Contact:	SIERRACIN MAGNEDYNE
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 458
Mailing City,St,Zip:	CARLSBAD, CA 920180458
Gen County:	Not reported
TSD EPA ID:	CAD020161642
TSD County:	Not reported
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Not reported
Tons:	3.1066
Cat Decode:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method Decode:	Not reported
Facility County:	San Diego

envid:	1000368710
Year:	1995
GEPAID:	CAD981396971
Contact:	SIERRACIN MAGNEDYNE
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 458
Mailing City,St,Zip:	CARLSBAD, CA 920180458
Gen County:	Not reported
TSD EPA ID:	CAD000088252
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus inorganics
Disposal Method:	Transfer Station
Tons:	.1875
Cat Decode:	Off-specification, aged or surplus inorganics
Method Decode:	Transfer Station
Facility County:	San Diego

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

ECHO:

Envid:	1000368710
Registry ID:	110002693372

SIERRACIN MAGNEDYNE (Continued) **1000368710**

DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002693372

O61 **DAIMLER CHRYSLER PACIFICA** **RCRA-SQG** **1000442340**
NNE **2250 RUTHERFORD ROAD** **CA San Diego Co. HMMD** **CAD981384977**
1/8-1/4 **CARLSBAD, CA 92008** **FINDS**
0.166 mi. **CA EMI**
879 ft. **Site 2 of 2 in cluster O** **CA HAZNET**
ECHO

Relative:
Lower

Actual:
286 ft.

RCRA-SQG:

Date form received by agency:	04/26/1999
Facility name:	DAIMLER CHRYSLER PACIFICA
Facility address:	2250 RUTHERFORD RD CARLSBAD, CA 92008
EPA ID:	CAD981384977
Contact:	PAUL KIRK
Contact address:	2250 RUTHERFORD RD CARLSBAD, CA 92008
Contact country:	US
Contact telephone:	(760) 804-2038
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:	DAIMLER CHRYSLER CORP
Owner/operator address:	1000 CHRYSLER DR AUBURN HILLS, MI 48326
Owner/operator country:	Not reported
Owner/operator telephone:	(760) 438-2252
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
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

DAIMLER CHRYSLER PACIFICA (Continued) **1000442340**

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

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. 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: 09/01/1996

DAIMLER CHRYSLER PACIFICA (Continued) **1000442340**

Site name: DAIMLER CHRYSLER PACIFICA
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 10/03/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

SAN DIEGO CO. HMMD:
Facility Id: 117030
Business Type: 6HK77
EPA Id Number: CAD981384977
APN: 212-061-17-00
Last HMMD Inspection: 10/26/2006
Permit Status: INAC
Permit Expiration: 02/28/2009
Facility Owner: DAIMLER CHRYSLER
Facility Address: 2250 RUTHERFORD RD
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92008-3856
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

Facility Id: 210982
Business Type: 6HK27
EPA Id Number: Not reported
APN: 212-061-17-00
Last HMMD Inspection: 01/11/2011
Permit Status: OPEN
Permit Expiration: 10/31/2013
Facility Owner: MERCEDES-BENZ
Facility Address: 2250 RUTHERFORD RD
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92008
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
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

Active Permits:
Facility Id: 210982
Update Date: 11/02/2012
Case Number: MIXTURE
Name: ARGON & CO2

DAIMLER CHRYSLER PACIFICA (Continued) **1000442340**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 210982
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 210982
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

Violations Active Permits:

Facility Id: 210982
Update Date: 11/02/2012
Inspection Date: 01/11/2011
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

Facility Id: 210982
Update Date: 11/02/2012
Inspection Date: 01/11/2011
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Facility Id: 210982
Update Date: 11/02/2012
Inspection Date: 01/11/2011
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

FINDS:

Registry ID: 110002688850

DAIMLER CHRYSLER PACIFICA (Continued) **1000442340**

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.

HAZARDOUS AIR POLLUTANT MAJOR

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.

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	5964
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
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	5964
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
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	5964
Air District Name:	SD
SIC Code:	7532

DAIMLER CHRYSLER PACIFICA (Continued) **1000442340**

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
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	5964
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
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	5964
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
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	5964
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:	0.190966302
Reactive Organic Gases Tons/Yr:	0.17613
Carbon Monoxide Emissions Tons/Yr:	0

DAIMLER CHRYSLER PACIFICA (Continued) **1000442340**

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:	5964
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:	.190966302
Reactive Organic Gases Tons/Yr:	.17613
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:	5964
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:	.14
Reactive Organic Gases Tons/Yr:	.13
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:	5964
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:	.14
Reactive Organic Gases Tons/Yr:	.13
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:	2008

DAIMLER CHRYSLER PACIFICA (Continued) **1000442340**

County Code:	37
Air Basin:	SD
Facility ID:	5964
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:	.14
Reactive Organic Gases Tons/Yr:	.13
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:	5964
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:	0.14000000000000001
Reactive Organic Gases Tons/Yr:	0.13
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:	5964
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:	0.14000000000000001
Reactive Organic Gases Tons/Yr:	0.13
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:	2011
County Code:	37
Air Basin:	SD
Facility ID:	5964
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD

DAIMLER CHRYSLER PACIFICA (Continued) **1000442340**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14
Reactive Organic Gases Tons/Yr:	0.13
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:	2012
County Code:	37
Air Basin:	SD
Facility ID:	5964
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:	0.14
Reactive Organic Gases Tons/Yr:	0.13
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:	2013
County Code:	37
Air Basin:	SD
Facility ID:	5964
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:	0.14
Reactive Organic Gases Tons/Yr:	0.13
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:	2014
County Code:	37
Air Basin:	SD
Facility ID:	5964
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:	0.14
Reactive Organic Gases Tons/Yr:	0.13
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

DAIMLER CHRYSLER PACIFICA (Continued) **1000442340**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2015
County Code:	37
Air Basin:	SD
Facility ID:	5964
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:	0.14
Reactive Organic Gases Tons/Yr:	0.13
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

envid:	1000442340
Year:	2008
GEPAID:	CAD981384977
Contact:	JOAN WAGNER
Telephone:	768042037
Mailing Name:	Not reported
Mailing Address:	2250 RUTHERFORD RD
Mailing City,St,Zip:	CARLSBAD, CA 920088814
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
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:	1000442340
Year:	2008
GEPAID:	CAD981384977
Contact:	JOAN WAGNER
Telephone:	768042037
Mailing Name:	Not reported
Mailing Address:	2250 RUTHERFORD RD
Mailing City,St,Zip:	CARLSBAD, CA 920088814
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.228
Cat Decode:	Waste oil and mixed oil

DAIMLER CHRYSLER PACIFICA (Continued) **1000442340**

Method Decode: Fuel Blending Prior To Energy Recovery At Another Site
Facility County: San Diego

envid: 1000442340
Year: 2008
GEPAID: CAD981384977
Contact: JOAN WAGNER
Telephone: 768042037
Mailing Name: Not reported
Mailing Address: 2250 RUTHERFORD RD
Mailing City,St,Zip: CARLSBAD, CA 920088814
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.228
Cat Decode: Waste oil and mixed oil
Method Decode: Fuel Blending Prior To Energy Recovery At Another Site
Facility County: San Diego

envid: 1000442340
Year: 2008
GEPAID: CAD981384977
Contact: JOAN WAGNER
Telephone: 768042037
Mailing Name: Not reported
Mailing Address: 2250 RUTHERFORD RD
Mailing City,St,Zip: CARLSBAD, CA 920088814
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1
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: 1000442340
Year: 2007
GEPAID: CAD981384977
Contact: JOAN WAGNER
Telephone: 768042037
Mailing Name: Not reported
Mailing Address: 2250 RUTHERFORD RD
Mailing City,St,Zip: CARLSBAD, CA 920088814
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1
Cat Decode: Other organic solids

DAIMLER CHRYSLER PACIFICA (Continued) **1000442340**

Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

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

ECHO:
Envid: 1000442340
Registry ID: 110002688850
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002688850

N62 **BIOTA INC** **RCRA-SQG** **1005441151**
North **2232 RUTHERFORD RD** **FINDS** **CAR000116079**
1/8-1/4 **CARLSBAD, CA 92008** **CA HAZNET**
0.171 mi. **ECHO**
901 ft. **Site 2 of 2 in cluster N**

Relative:
Lower

Actual:
292 ft.

RCRA-SQG:
Date form received by agency: 05/13/2002
Facility name: BIOTA INC
Facility address: 2232 RUTHERFORD RD
CARLSBAD, CA 92008
EPA ID: CAR000116079
Contact: JANET LEEDS
Contact address: 2232 RUTHERFORD RD
CARLSBAD, CA 92008
Contact country: US
Contact telephone: (760) 804-6980
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: BIOTA INC
Owner/operator address: 2232 RUTHERFORD RD
CARLSBAD, CA 92008
Owner/operator country: Not reported
Owner/operator telephone: (760) 804-6980
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

BIOTA INC (Continued) **1005441151**

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: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D038
. Waste name: PYRIDINE

. 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.

Violation Status: No violations found

FINDS:

Registry ID: 110012545978

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

BIOTA INC (Continued) **1005441151**

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.

HAZNET:

envid:	1005441151
Year:	2004
GEPAID:	CAR000116079
Contact:	Janet Leeds
Telephone:	7608046980
Mailing Name:	Not reported
Mailing Address:	4445 EASTGATE MALL STE 200
Mailing City,St,Zip:	SAN DIEGO, CA 921211979
Gen County:	Not reported
TSD EPA ID:	AZD009015389
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Recycler
Tons:	0.43
Cat Decode:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Method Decode:	Recycler
Facility County:	San Diego

envid:	1005441151
Year:	2004
GEPAID:	CAR000116079
Contact:	Janet Leeds
Telephone:	7608046980
Mailing Name:	Not reported
Mailing Address:	4445 EASTGATE MALL STE 200
Mailing City,St,Zip:	SAN DIEGO, CA 921211979
Gen County:	Not reported
TSD EPA ID:	AZD009015389
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler
Tons:	0.2
Cat Decode:	Unspecified organic liquid mixture
Method Decode:	Recycler
Facility County:	San Diego

envid:	1005441151
Year:	2003
GEPAID:	CAR000116079
Contact:	Janet Leeds
Telephone:	7608046980
Mailing Name:	Not reported
Mailing Address:	4445 EASTGATE MALL STE 200
Mailing City,St,Zip:	SAN DIEGO, CA 921211979
Gen County:	Not reported
TSD EPA ID:	AZD980892731

BIOTA INC (Continued) **1005441151**

TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Treatment, Incineration
Tons: 0.45
Cat Decode: Unspecified organic liquid mixture
Method Decode: Treatment, Incineration
Facility County: San Diego

envid: 1005441151
Year: 2003
GEPAID: CAR000116079
Contact: Janet Leeds
Telephone: 7608046980
Mailing Name: Not reported
Mailing Address: 4445 EASTGATE MALL STE 200
Mailing City,St,Zip: SAN DIEGO, CA 921211979
Gen County: Not reported
TSD EPA ID: AZD980892731
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 0.45
Cat Decode: Unspecified organic liquid mixture
Method Decode: Recycler
Facility County: San Diego

envid: 1005441151
Year: 2003
GEPAID: CAR000116079
Contact: Janet Leeds
Telephone: 7608046980
Mailing Name: Not reported
Mailing Address: 4445 EASTGATE MALL STE 200
Mailing City,St,Zip: SAN DIEGO, CA 921211979
Gen County: Not reported
TSD EPA ID: AZD980892731
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Not reported
Tons: 0.2
Cat Decode: Liquids with halogenated organic compounds >= 1,000 Mg./L
Method Decode: Not reported
Facility County: San Diego

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

ECHO:
Envid: 1005441151
Registry ID: 110012545978
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110012545978

63
NE
1/8-1/4
0.176 mi.
927 ft.

THE SOCO GROUP, INC.
5962 PRIESTLY DRIVE
CARLSBAD, CA 92024

FUELS PROGRAM **1016158959**
N/A

Relative:
Lower

Actual:
300 ft.

FUELS PROGRAM:

Program Type:	Renewable Fuel Standard
Company Seq. ID:	3417
Business Activity:	RIN Owner Only (Blenders, Marketers, Traders)
Company Name:	The SoCo Group, Inc.
Company Address:	5962 Priestly Drive Carlsbad, CA 92024
Facility ID:	Not reported
Facility Type:	Gas/Ethanol
Facility Activity:	Not reported
Subject to 80.1403:	Not reported
Fuel Only For Off Road:	Not reported
Fuel Created:	Not reported
D Code:	Not reported

P64
WNW
1/8-1/4
0.176 mi.
930 ft.

HOME DEPOT 4285
1905 ASTON AVE
CARLSBAD, CA 92008

Site 1 of 2 in cluster P

NJ MANIFEST **S117679438**
N/A

Relative:
Lower

Actual:
267 ft.

NJ MANIFEST:

EPA Id:	RIR000503953
Mail Address:	387 CHARLES ST
Mail City/State/Zip:	NO PROVIDENCE 02908
Facility Phone:	4014541811
Emergency Phone:	Not reported
Contact:	Not reported
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	NJA3227826
EPA ID:	RIR000503953
Date Shipped:	05/12/2004
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported

HOME DEPOT 4285 (Continued) **S117679438**

Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/12/2004
Date Trans2 Transported Waste:	06/02/2004
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/02/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	06220421
Was Load Rejected:	NO PROVIDENCE 02908
Reason Load Was Rejected:	Not reported

P65 **HOME DEPOT USA #3027** **RCRA-SQG 1007119141**
WNW **4030 HWY 54** **WI MANIFEST MOR000516351**
1/8-1/4 **OSAGE BEACH, MO 65065**
0.176 mi.
930 ft. **Site 2 of 2 in cluster P**

Relative:
Lower

Actual:
267 ft.

RCRA-SQG:

Date form received by agency:	08/22/2011
Facility name:	HOME DEPOT USA #3027
Facility address:	4030 HWY 54 OSAGE BEACH, MO 65065-2145
EPA ID:	MOR000516351
Mailing address:	5151 SAN FELIPE ST STE 1600 HOUSTON, TX 77056-3647
Contact:	JORGE GOMEZ
Contact address:	5151 SAN FELIPE ST STE 1600 HOUSTON, TX 77056-3647
Contact country:	US
Contact telephone:	(713) 625-7015
Contact email:	BWILBANKS@3COMPANY.COM
EPA Region:	07
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

HOME DEPOT USA #3027 (Continued) **1007119141**

Owner/Operator Summary:
Owner/operator name: HOME DEPOT USA
Owner/operator address: 2455 PACES FERRY RD C19
ATLANTA, GA 30339
Owner/operator country: US
Owner/operator telephone: (770) 433-8211
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/22/2011
Owner/Op end date: Not reported

Owner/operator name: HOME DEPOT USA
Owner/operator address: 2455 PACES FERRY RD C19
ATLANTA, GA 30339
Owner/operator country: US
Owner/operator telephone: (770) 433-8211
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/22/2011
Owner/Op end date: Not reported

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

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

HOME DEPOT USA #3027 (Continued) **1007119141**

. Waste code: D009
. Waste name: MERCURY

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Historical Generators:
Date form received by agency: 12/16/2008
Site name: HOME DEPOT #3027
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 12/05/2007
Site name: HOME DEPOT USA HD3027
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

HOME DEPOT USA #3027 (Continued) **1007119141**

Date form received by agency: 07/31/2007
Site name: HOME DEPOT #HD3027
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 06/29/2005
Site name: HOME DEPOT 3027
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS

HOME DEPOT USA #3027 (Continued) **1007119141**

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.

Date form received by agency: 12/22/2003
Site name: HOME DEPOT 3027
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

WI MANIFEST:
Year: 2004
EPA ID: MOR000516351
FID: 0
ACT Code: 202
ACT Status: A
ACT Code 1: 202
ACT Name: HW Generator - Small
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Q66 **HUGHES AIRCRAFT CO.** **RCRA-SQG** **1000240994**
East **6155 EL CAMINO REAL** **FINDS** **CAD084239987**
1/8-1/4 **CARLSBAD, CA 92009** **ECHO**
0.186 mi.
981 ft. **Site 1 of 4 in cluster Q**

Relative:
Lower

Actual:
296 ft.

RCRA-SQG:
Date form received by agency: 03/27/1998
Facility name: HUGHES AIRCRFT INDUSTRIAL PROD
Facility address: 6155 EL CAMINO REAL
CARLSBAD, CA 92009
EPA ID: CAD084239987
Contact: ENVIRONMENTAL MANAGER
Contact address: 6155 EL CAMINO REAL
CARLSBAD, CA 92009
Contact country: US

HUGHES AIRCRAFT CO. (Continued) **1000240994**

Contact telephone: (619) 931-3240
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
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: HUGHES AIRCRAFT CO. INDUSTRIAL PRODUCTS
Owner/operator address: 6155 EL CAMINO REAL
CARLSBAD, CA 92009
Owner/operator country: Not reported
Owner/operator telephone: (714) 438-9191
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

Historical Generators:
Date form received by agency: 03/27/1998
Site name: HUGHES AIRCRFT INDUSTRIAL PROD
Classification: Small Quantity Generator

Date form received by agency: 02/02/1998
Site name: HUGHES AIRCRFT INDUSTRIAL PROD
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: HUGHES AIRCRFT INDUSTRIAL PROD
Classification: Large Quantity Generator

Date form received by agency: 02/29/1996
Site name: HUGHES TECHNOLOGY CENTER
Classification: Large Quantity Generator

HUGHES AIRCRAFT CO. (Continued) **1000240994**

Date form received by agency: 03/30/1994
Site name: HUGHES TECHNOLOGY CENTER
Classification: Large Quantity Generator

Date form received by agency: 02/26/1992
Site name: HUGHES TECHNOLOGY CENTER
Classification: Large Quantity Generator

Date form received by agency: 04/05/1990
Site name: HUGHES AIRCRAFT CO. INDUSTRIAL PR
Classification: Large Quantity Generator

Date form received by agency: 04/09/1986
Site name: HUGHES AIRCRFT INDUSTRIAL PROD
Classification: Large Quantity Generator

Date form received by agency: 04/09/1986
Site name: HUGHES AIRCRFT INDUSTRIAL PROD
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 06/01/1994
Date achieved compliance: 06/01/1999
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 - 264.400-406.Q
Area of violation: TSD IS-Chemical, Physical, AND Treatment
Date violation determined: 07/09/1992
Date achieved compliance: 06/28/1995
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: 07/09/1992
Date achieved compliance: 06/28/1995
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported

HUGHES AIRCRAFT CO. (Continued) **1000240994**

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: 09/27/1990
Date achieved compliance: 05/26/1992
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 - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 08/02/1984
Date achieved compliance: 09/02/1984
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: 05/20/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/01/1999
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 05/26/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 06/28/1995
Evaluation lead agency: State

Evaluation date: 05/26/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Chemical, Physical, AND Treatment
Date achieved compliance: 06/28/1995

HUGHES AIRCRAFT CO. (Continued) **1000240994**

Evaluation lead agency: State

Evaluation date: 09/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/26/1992
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 08/02/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/02/1984
Evaluation lead agency: State

FINDS:

Registry ID: 110000783055

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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.

ECHO:
Envid: 1000240994
Registry ID: 110000783055
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110000783055

Q67 **HUGHES-JVC TECHNOLOGY CORP** **CA LUST** **U001570986**
East **6155 EL CAMINO REAL** **CA SLIC** **N/A**
1/8-1/4 **CARLSBAD, CA 92009** **CA HIST UST**
0.186 mi.
981 ft. **Site 2 of 4 in cluster Q**

Relative:
Lower

Actual:
296 ft.

LUST:
Region: STATE
Global Id: T0607300929
Latitude: 33.1234994
Longitude: -117.2665297
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/20/1987
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: KH
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT216
LOC Case Number: H09535-001
File Location: Local Agency
Potential Media Affect: Soil

HUGHES-JVC TECHNOLOGY CORP (Continued) **U001570986**

Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:
Global Id: T0607300929
Contact Type: Local Agency Caseworker
Contact Name: KEVIN HEATON
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: kevin.heaton@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607300929
Status: Completed - Case Closed
Status Date: 11/20/1987

Global Id: T0607300929
Status: Open - Case Begin Date
Status Date: 05/23/1986

Regulatory Activities:
Global Id: T0607300929
Action Type: Other
Date: 05/23/1986
Action: Leak Began

Global Id: T0607300929
Action Type: Other
Date: 05/23/1986
Action: Leak Discovery

Global Id: T0607300929
Action Type: Other
Date: 05/23/1986
Action: Leak Reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 07/24/1990
Global Id: T0608194848
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H09535-002
Latitude: 33.126891
Longitude: -117.266916
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported

HUGHES-JVC TECHNOLOGY CORP (Continued) **U001570986**

Potential Contaminants of Concern: Not reported
Site History: Not reported

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

HIST UST:
File Number: 0002B4A6
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B4A6.pdf
Region: STATE
Facility ID: 00000015495
Facility Type: Other
Other Type: ELECTRONICS MANUFACT
Contact Name: J.E. BEAR
Telephone: 6194389191
Owner Name: HUGHES AIRCRAFT COMPANY
Owner Address: 200 N. SEPULVEDA BLVD.
Owner City,St,Zip: EL SEGUNDO, CA 90245
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1975
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 3/16
Leak Detection: None

Tank Num: 002
Container Num: 7
Year Installed: 1982
Tank Capacity: 00000015
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 003
Container Num: #3
Year Installed: 1973
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 12
Leak Detection: None

Tank Num: 004
Container Num: #2
Year Installed: 1980
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 005
Container Num: 4

HUGHES-JVC TECHNOLOGY CORP (Continued) **U001570986**

Year Installed:	1980
Tank Capacity:	00000005
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	None

Tank Num:	006
Container Num:	5
Year Installed:	1980
Tank Capacity:	00000005
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	None

Tank Num:	007
Container Num:	6
Year Installed:	1982
Tank Capacity:	00000015
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	None

Tank Num:	008
Container Num:	8
Year Installed:	1982
Tank Capacity:	00000015
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	None

Click here for Geo Tracker PDF:

Q68 **HUGHES MICROELECTRONICS CENTER** **CA LUST** **S102628798**
East **6155 EL CAMINO REAL** **CA SWEEPS UST** **N/A**
1/8-1/4 **CARLSBAD, CA 92008** **CA EMI**
0.186 mi. **CA HWP**
981 ft. **Site 3 of 4 in cluster Q**

Relative:
Lower

Actual:
296 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT216
Local Case:	H09535-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Remove Contents
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	05/22/1986

HUGHES MICROELECTRONICS CENTER (Continued) **S102628798**

Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 07/17/1986
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/23/1986
Enforce Date: Not reported
Closed Date: 11/20/87
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.51
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: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Not reported
Comp Number: 9535
Number: Not reported
Board Of Equalization: 44-012123
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-009535-000003
Tank Status: Not reported
Capacity: 280
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: 1

Status: Active
Comp Number: 9535
Number: 9
Board Of Equalization: 44-012123
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-009535-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: 12

HUGHES MICROELECTRONICS CENTER (Continued) **S102628798**

Status:	Active
Comp Number:	9535
Number:	9
Board Of Equalization:	44-012123
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-009535-000002
Tank Status:	A
Capacity:	15
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	9535
Number:	9
Board Of Equalization:	44-012123
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-009535-000004
Tank Status:	A
Capacity:	2500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	9535
Number:	9
Board Of Equalization:	44-012123
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-009535-000005
Tank Status:	A
Capacity:	5
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	9535
Number:	9
Board Of Equalization:	44-012123
Referral Date:	Not reported
Action Date:	06-26-92

HUGHES MICROELECTRONICS CENTER (Continued) **S102628798**

Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-009535-000006
Tank Status: A
Capacity: 5
Active Date: Not reported
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9535
Number: 9
Board Of Equalization: 44-012123
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-009535-000007
Tank Status: A
Capacity: 15
Active Date: Not reported
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9535
Number: 9
Board Of Equalization: 44-012123
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-009535-000008
Tank Status: A
Capacity: 15
Active Date: Not reported
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9535
Number: 9
Board Of Equalization: 44-012123
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-009535-000009
Tank Status: A
Capacity: 250
Active Date: Not reported

HUGHES MICROELECTRONICS CENTER (Continued) **S102628798**

Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9535
Number: 9
Board Of Equalization: 44-012123
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-009535-000010
Tank Status: A
Capacity: 250
Active Date: Not reported
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9535
Number: 9
Board Of Equalization: 44-012123
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-009535-000011
Tank Status: A
Capacity: 200
Active Date: Not reported
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 9535
Number: 9
Board Of Equalization: 44-012123
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-009535-000012
Tank Status: A
Capacity: 200
Active Date: Not reported
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active

HUGHES MICROELECTRONICS CENTER (Continued) **S102628798**

Comp Number: 9535
Number: 9
Board Of Equalization: 44-012123
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-009535-000013
Tank Status: A
Capacity: 200
Active Date: Not reported
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

EMI:

Year: 1990
County Code: 37
Air Basin: SD
Facility ID: 1488
Air District Name: SD
SIC Code: 3673
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: 9
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 5
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1993
County Code: 37
Air Basin: SD
Facility ID: 1488
Air District Name: SD
SIC Code: 3674
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: 11
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 5
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1995
County Code: 37
Air Basin: SD
Facility ID: 1488
Air District Name: SD
SIC Code: 3674

HUGHES MICROELECTRONICS CENTER (Continued) **S102628798**

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:	11
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	1488
Air District Name:	SD
SIC Code:	3674
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:	11
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	1488
Air District Name:	SD
SIC Code:	3674
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:	11
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HWP:

EPA Id:	CAD084239987
Cleanup Status:	KNOWN GENERATORS
Latitude:	33.12505
Longitude:	-117.2663
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	76
Senate District:	36

HUGHES MICROELECTRONICS CENTER (Continued) **S102628798**

Public Information Officer: Not reported
Public Information Officer: Not reported

Q69
East
1/8-1/4
0.186 mi.
981 ft.

HUGHES-JVC TECHNOLOGY CORP
6155 EL CAMINO REAL
CARLSBAD, CA 92009

Site 4 of 4 in cluster Q

CA SAN DIEGO CO. SAM
CA San Diego Co. HMMD
CA CHMIRS
CA HIST CORTESE

S100278652
N/A

Relative:
Lower

Actual:
296 ft.

SAN DIEGO CO. SAM:

Case Number:	H09535-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	11/20/1987
Date Began:	5/23/1986
Case Number:	H09535-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	7/24/1990
Date Began:	11/14/1988

SAN DIEGO CO. HMMD:

Facility Id:	109535
Business Type:	Not reported
EPA Id Number:	CAD084239987
APN:	212-062-06-00
Last HMMD Inspection:	06/10/1998
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	HUGHES-JVC TECHNOLOGY CORP
Facility Address:	PO BOX 3066
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92009-
UST Owner:	HUGHES AIRCRAFT COMPANY
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 109535 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	109535
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1994-02-24 00:00:00

HUGHES-JVC TECHNOLOGY CORP (Continued) **S100278652**

Year Installed:	1975-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 109535 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	109535
Tank Type:	SINGLE WALL
Additional Id:	7
Capacity Gallons:	15
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 109535 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	109535
Tank Type:	SINGLE WALL
Additional Id:	#3
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 109535 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	109535
Tank Type:	DOUBLE WALL
Additional Id:	#2
Capacity Gallons:	2500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-10-04 00:00:00
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

HUGHES-JVC TECHNOLOGY CORP (Continued) **S100278652**

UST Name:	UNDERGROUND TANK 109535 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	109535
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	5
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 109535 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	109535
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	5
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 109535 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	109535
Tank Type:	SINGLE WALL
Additional Id:	6
Capacity Gallons:	15
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 109535 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	109535
Tank Type:	SINGLE WALL
Additional Id:	8
Capacity Gallons:	15

HUGHES-JVC TECHNOLOGY CORP (Continued) **S100278652**

UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 109535 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	109535
Tank Type:	DOUBLE WALL
Additional Id:	ACID WASTE
Capacity Gallons:	250
UST Contents:	Not reported
Other Content Info:	ACID WASTE
Reg Status:	REMOVED
Remove Close Date:	1998-05-10 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS
UST Name:	UNDERGROUND TANK 109535 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	109535
Tank Type:	DOUBLE WALL
Additional Id:	RECLAIMED DEIONIZED WATER
Capacity Gallons:	250
UST Contents:	Not reported
Other Content Info:	RECLAIMED DEIONIZED WATER
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 109535 T011
Last Update:	2012-11-02 14:17:38
Permit Number:	109535
Tank Type:	OTHER
Additional Id:	11 SOLVENT
Capacity Gallons:	200
UST Contents:	Not reported
Other Content Info:	SOLVENT
Reg Status:	REMOVED
Remove Close Date:	1998-05-10 00:00:00
Year Installed:	1987-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported

HUGHES-JVC TECHNOLOGY CORP (Continued) **S100278652**

Monitor Code: 24
UST Monitor Method: VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name: UNDERGROUND TANK 109535 T012
Last Update: 2012-11-02 14:17:38
Permit Number: 109535
Tank Type: OTHER
Additional Id: 12 IPA/ACETONE
Capacity Gallons: 200
UST Contents: Not reported
Other Content Info: IPA/ACETONE
Reg Status: REMOVED
Remove Close Date: 1998-05-10 00:00:00
Year Installed: 1987-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 24
UST Monitor Method: VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name: UNDERGROUND TANK 109535 T013
Last Update: 2012-11-02 14:17:38
Permit Number: 109535
Tank Type: OTHER
Additional Id: 13 PERCHLOROETHONE
Capacity Gallons: 200
UST Contents: Not reported
Other Content Info: PERCHLOROETHONE
Reg Status: REMOVED
Remove Close Date: 1998-05-10 00:00:00
Year Installed: 1987-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 24
UST Monitor Method: VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

CHMIRS:
OES Incident Number: 80200
OES notification: Not reported
OES Date: Not reported
OES Time: Not reported
Date Completed: **22-JUN-88**
Property Use: 700
Agency Id Number: 37140
Agency Incident Number: 65301
Time Notified: 1134
Time Completed: 1400
Surrounding Area: 600
Estimated Temperature: 72
Property Management: C
More Than Two Substances Involved?: N
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported

HUGHES-JVC TECHNOLOGY CORP (Continued) **S100278652**

Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	RICHARD LEAP/ #1333
Report Date:	22-JUN-88
Facility Telephone:	619 236-7773
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	22-JUN-88
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	Not reported
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Y
Description:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT216

70
NW
1/8-1/4
0.205 mi.
1083 ft.

GENOPTIX INC
2110 RUTHERFORD RD
CARLSBAD, CA 92008

RCRA-SQG
CA HAZNET

1012176193
CAR000200634

Relative:
Lower

Actual:
272 ft.

RCRA-SQG:

Date form received by agency:	05/28/2009
Facility name:	GENOPTIX INC
Facility address:	2110 RUTHERFORD RD CARLSBAD, CA 92008
EPA ID:	CAR000200634
Contact:	JENNIFER L SULLIVAN
Contact address:	2110 RUTHERFORD RD CARLSBAD, CA 92008
Contact country:	US
Contact telephone:	760-268-6472
Contact email:	JSULLIVAN@GENOPTIX.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	GENOPTIX INC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	05/01/2006
Owner/Op end date:	Not reported

Owner/operator name:	BLACKMORE AIRPORT CENTER
Owner/operator address:	PO BOX 1810 RANCHO SANTA FE, CA 92067
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/01/2002
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

GENOPTIX INC (Continued) **1012176193**

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

. Waste code: D002
. Waste name: CORROSIVE WASTE

. 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.

Violation Status: No violations found

HAZNET:
envid: 1012176193
Year: 2013
GEPAID: CAR000200634
Contact: Jennifer Sullivan
Telephone: 7605165472
Mailing Name: Not reported
Mailing Address: 2110 RUTHERFORD RD
Mailing City,St,Zip: CARLSBAD, CA 920080000
Gen County: San Diego
TSD EPA ID: ARD981057870
TSD County: 99

GENOPTIX INC (Continued) **1012176193**

Waste Category: Not reported
Disposal Method: Not reported
Tons: 0.17
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: 1012176193
Year: 2013
GEPAID: CAR000200634
Contact: Jennifer Sullivan
Telephone: 7605165472
Mailing Name: Not reported
Mailing Address: 2110 RUTHERFORD RD
Mailing City,St,Zip: CARLSBAD, CA 920080000
Gen County: San Diego
TSD EPA ID: ARD981057870
TSD County: 99
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.375
Cat Decode: Not reported
Method Decode: Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Not reported

envid: 1012176193
Year: 2013
GEPAID: CAR000200634
Contact: Jennifer Sullivan
Telephone: 7605165472
Mailing Name: Not reported
Mailing Address: 2110 RUTHERFORD RD
Mailing City,St,Zip: CARLSBAD, CA 920080000
Gen County: San Diego
TSD EPA ID: ARD981057870
TSD County: 99
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.663
Cat Decode: Not reported
Method Decode: Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Not reported

envid: 1012176193
Year: 2013
GEPAID: CAR000200634
Contact: Jennifer Sullivan
Telephone: 7605165472
Mailing Name: Not reported
Mailing Address: 2110 RUTHERFORD RD
Mailing City,St,Zip: CARLSBAD, CA 920080000
Gen County: San Diego
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

GENOPTIX INC (Continued) **1012176193**

Tons:	0.0925
Cat Decode:	Not reported
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Not reported
envid:	1012176193
Year:	2012
GEPAID:	CAR000200634
Contact:	JENNIFER L SULLIVAN
Telephone:	7605165472
Mailing Name:	Not reported
Mailing Address:	1811 ASTON AVENUE
Mailing City,St,Zip:	CARLSBAD, CA 920080000
Gen County:	San Diego
TSD EPA ID:	CAD008488025
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.02085
Cat Decode:	Not reported
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	San Diego

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

71
NNE
1/8-1/4
0.210 mi.
1110 ft.

ELECTRO SURFACE TECH
5925 PRIESTLY DR
CARLSBAD, CA 92008

CA San Diego Co. HMMD **1001126638**
RCRA NonGen / NLR **CAR000017038**
FINDS
CA HAZNET
ECHO

Relative:
Lower

Actual:
301 ft.

SAN DIEGO CO. HMMD:

Facility Id:	134264
Business Type:	6HK35
EPA Id Number:	CAL000112001
APN:	DEH-134264
Last HMMD Inspection:	05/31/2000
Permit Status:	INAC
Permit Expiration:	05/31/2000
Facility Owner:	CALLAWAY GOLF COMPANY
Facility Address:	2285 RUTHERFORD RD
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92008-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
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

RCRA NonGen / NLR:

ELECTRO SURFACE TECH (Continued) **1001126638**

Date form received by agency: 07/14/1997
Facility name: CALLAWAY GOLF CO
Facility address: 5925 PRIESTLY DR
CARLSBAD, CA 92008
EPA ID: CAR000017038
Mailing address: RUTHERFORD RD
CARLSBAD, CA 920088815
Contact: ERIC ESTELLE
Contact address: 2285 RUTHERFORD RD
CARLSBAD, CA 920088815
Contact country: US
Contact telephone: (760) 931-1771
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: CALLAWAY GOLF CO
Owner/operator address: 2285 RUTHERFORD DR
CARLSBAD, CA 92008
Owner/operator country: Not reported
Owner/operator telephone: (619) 931-1771
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: 110002915490

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

ELECTRO SURFACE TECH (Continued) **1001126638**

corrective action activities required under RCRA.

Registry ID: 110011644783

Environmental Interest/Information System
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

HAZNET:

envid:	1001126638
Year:	1997
GEPAID:	CAR000017038
Contact:	CALLAWAY GOLF CO
Telephone:	6199305287
Mailing Name:	Not reported
Mailing Address:	2285 RUTHERFORD RD
Mailing City,St,Zip:	CARLSBAD, CA 920088815
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Transfer Station
Tons:	1.1297
Cat Decode:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Method Decode:	Transfer Station
Facility County:	San Diego

ECHO:

Envid:	1001126638
Registry ID:	110011644783
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110011644783
Envid:	1001126638
Registry ID:	110002915490
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110002915490

R72 **INDUSTRIAL RECOVERY INC** **RCRA NonGen / NLR** **1000428505**
SSE **2075 CORTE DEL NOGAL STE X** **FINDS** **CAD982519266**
1/8-1/4 **CARLSBAD, CA 92009** **ECHO**
0.211 mi.
1115 ft. **Site 1 of 2 in cluster R**

Relative:
Lower

Actual:
267 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/23/1989
Facility name:	INDUSTRIAL RECOVERY INC
Facility address:	2075 CORTE DEL NOGAL STE X CARLSBAD, CA 92009
EPA ID:	CAD982519266
Mailing address:	CORTE DEL NOGAL STE X CARLSBAD, CA 92009
Contact:	ENVIRONMENTAL MANAGER
Contact address:	2075 CORTE DEL NOGAL STE X CARLSBAD, CA 92009

INDUSTRIAL RECOVERY INC (Continued) **1000428505**

Contact country: US
Contact telephone: (619) 431-0811
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: WILLIAM D TAYLOR
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
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

Violation Status: No violations found

FINDS:

Registry ID: 110002839983

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

INDUSTRIAL RECOVERY INC (Continued) **1000428505**

corrective action activities required under RCRA.

ECHO:
Envid: 1000428505
Registry ID: 110002839983
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002839983

R73 **INDUSTRIAL RECOVERY** **TX Ind. Haz Waste** **S104852159**
SSE **2075 CORTE DEL NOGAL STE X** **N/A**
1/8-1/4 **CARLSBAD, CA 92011**
0.211 mi.
1115 ft. **Site 2 of 2 in cluster R**

Relative:
Lower

Actual:
267 ft.

Ind. Haz Waste:
Registration Number: 41674
Registration Initial Notification Date: 08/03/1990
Registration Last Amendment Date: 02/13/2001
EPA Identification: CAD982519266
Primary NAICS Code: 484121
Status Change Date: 19900803
Land Type: Not reported
Description of Facility Site Location: Not reported
Site Primary Standard Industrial Code: Not reported
Site Primary SIC Description: Not reported
Registration is Generator of Waste: No
Registration is Receivers of Waste: No
Registration is Transporter of Waste: Yes
Registration is Transfer Facility: No
Facility is STEERS Reporter: No
Reqired to Submit Annual Waste Summary: No
Facility Involved In Recycling: No
Revcr Has Monthly Reporting Requirement: 0
Mexican Facility: Not reported
Type of Generator: Not reported
TNRCC Region: Not reported
Company Name: INDUSTRIAL RECOVERY INC
Contact Name: WILLIAM TAYLOR
Contact Telephone Number: 619-4310811
Mailing Address: 2075 CORTE DEL NOGAL STE X
Mailing Address2: STE X
Mailing City,St,Zip: CARLSBAD, CA 920111415
Mailing County: UNITED STATES
Facility Country: UNITED STATES
TNRCC Facility ID: 18059
Site Owner Tax ID: 0
Site Location Latitude: -00.000
Site Location Longitude: -000.000
Last Update to NOR Data: 20040204
Ind. waste permit Number: Not reported
Mun waste permit Number: Not reported
Non Notifier: No

Business Records Not Found for this RegNo/Year:

Owner:
Owner Mailing Address: 2075 CORTE DEL NOGAL STE X
Owner Mailing Address2: Not reported

INDUSTRIAL RECOVERY (Continued) **S104852159**

Owner Mailing Address3:	Not reported
Owner City,St,Zip:	CARLSBAD, CA 92011 1415
Owner Country:	UNITED STA
Owner Phone Number:	1-619-4310811
Owner Fax Number:	Not reported
Owner Email Address:	Not reported
Owner Business Type:	Unknown
Owner Tax Id:	Not reported
Owner Bankruptcy Code:	Not reported

Operator:

Operator Last Name:	INDUSTRIAL RECOVERY INC
Operator First Name:	Not reported
Operator Name:	INDUSTRIAL RECOVERY INC
Operator Mailing Address:	2075 CORTE DEL NOGAL STE X
Operator Mailing Address 2:	Not reported
Operator Mailing City,St,Zip:	CARLSBAD, CA 92011 1415
Operator Country:	UNITED STA
Operator Phone:	1-619-4310811
Operator Fax:	Not reported
Operator Email:	Not reported
Operator Business Type:	Unknown
Operator Tax Id:	Not reported
Operator Bankruptcy Code:	Not reported

Contact:

Contact Name:	Not reported
Contact Title:	Not reported
Contact Role:	OWNCON
Contact Address:	2075 CORTE DEL NOGAL STE X
Contact Address2:	Not reported
Conact City,St,Zip:	CARLSBAD, CA 92011 1415
Contact Phone:	1-619-4310811
Contact Fax:	Not reported
Contact Email:	Not reported

Contact:

Contact Name:	Not reported
Contact Title:	Not reported
Contact Role:	OPRCON
Contact Address:	2075 CORTE DEL NOGAL STE X
Contact Address2:	Not reported
Conact City,St,Zip:	CARLSBAD, CA 92011 1415
Contact Phone:	1-619-4310811
Contact Fax:	Not reported
Contact Email:	Not reported

Contact:

Contact Name:	WILLIAM TAYLOR
Contact Title:	ENVIRONMENTAL MANAGER
Contact Role:	PRICONT
Contact Address:	2075 CORTE DEL NOGAL STE X
Contact Address2:	STE X
Conact City,St,Zip:	CARLSBAD, CA 92011 1415
Contact Phone:	1-619-4310811
Contact Fax:	Not reported
Contact Email:	Not reported

Unit Records Not Found for this RegNo/Year:

INDUSTRIAL RECOVERY (Continued) **S104852159**

One Time Shipper Records Not Found for this RegNo/Year:

Receiver Type:	Not reported
Transporter for hire:	1
Transport own waste:	0
Eq 01, if transport waste type = 1:	Not reported
Eq 02, if transport waste type = 2:	Not reported
Eq 03, if transport waste type = 3:	Not reported
Eq 04, if transport waste type = H:	04

Target TCEQ unique facid for discarded(merged) facility: Not reported

Waste Records Not Found for this RegNo/Year:

S74 **ARCO #05792** **CA LUST** **S103639418**
SSW **1991 PALOMAR AIRPORT RD** **CA San Diego Co. HMMD** **N/A**
1/8-1/4 **CARLSBAD, CA 92009** **CA EMI**
0.223 mi.
1179 ft. **Site 1 of 4 in cluster S**

Relative:
Lower

Actual:
187 ft.

LUST:

Region:	STATE
Global Id:	T0607378792
Latitude:	33.1195186433033
Longitude:	-117.282217741013
Case Type:	LUST Cleanup Site
Status:	Open - Site Assessment
Status Date:	09/23/2009
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	EP
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	H32235-001
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water), Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	This site is an active gas station and minimart. Contamination was identified onsite in June 2003 during the removal and replacement of product dispensers and associated product piping. Groundwater monitoring has been ongoing and additional assessment is underway. Additional groundwater monitoring is currently underway. Please see the Environmental Data tab for additional site specific information.

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

Contact:

Global Id:	T0607378792
Contact Type:	Local Agency Caseworker
Contact Name:	ED PAREDES
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	SAN DIEGO
Email:	ed.paredes@sdcounty.ca.gov
Phone Number:	8585056806

Global Id:	T0607378792
Contact Type:	Regional Board Caseworker
Contact Name:	CRAIG L. CARLISLE
Organization Name:	SAN DIEGO RWQCB (REGION 9)

ARCO #05792 (Continued) **S103639418**

Address: 2375 NORTHSIDE DRIVE, SUITE 100
City: SAN DIEGO
Email: craig.carlisle@waterboards.ca.gov
Phone Number: 6195213378

Status History:
Global Id: T0607378792
Status: Open - Case Begin Date
Status Date: 06/12/2003

Global Id: T0607378792
Status: Open - Remediation
Status Date: 10/20/2004

Global Id: T0607378792
Status: Open - Site Assessment
Status Date: 09/23/2009

Regulatory Activities:
Global Id: T0607378792
Action Type: RESPONSE
Date: 10/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607378792
Action Type: RESPONSE
Date: 04/29/2009
Action: Monitoring Report - Quarterly

Global Id: T0607378792
Action Type: RESPONSE
Date: 10/06/2015
Action: Sensitive Receptor Survey Report - Regulator Responded

Global Id: T0607378792
Action Type: RESPONSE
Date: 08/05/2015
Action: Site Assessment Report - Regulator Responded

Global Id: T0607378792
Action Type: ENFORCEMENT
Date: 07/10/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607378792
Action Type: Other
Date: 06/12/2003
Action: Leak Began

Global Id: T0607378792
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607378792
Action Type: RESPONSE

ARCO #05792 (Continued) **S103639418**

Date: 01/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607378792
Action Type: RESPONSE
Date: 07/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607378792
Action Type: RESPONSE
Date: 07/30/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607378792
Action Type: RESPONSE
Date: 10/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607378792
Action Type: RESPONSE
Date: 11/02/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0607378792
Action Type: ENFORCEMENT
Date: 05/01/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607378792
Action Type: ENFORCEMENT
Date: 01/09/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607378792
Action Type: RESPONSE
Date: 01/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607378792
Action Type: ENFORCEMENT
Date: 08/13/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607378792
Action Type: ENFORCEMENT
Date: 05/08/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607378792
Action Type: ENFORCEMENT
Date: 08/11/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607378792
Action Type: Other
Date: 06/12/2003
Action: Leak Discovery

ARCO #05792 (Continued) **S103639418**

Global Id: T0607378792
Action Type: RESPONSE
Date: 01/30/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607378792
Action Type: ENFORCEMENT
Date: 07/15/2009
Action: Letter - Notice

Global Id: T0607378792
Action Type: RESPONSE
Date: 09/21/2011
Action: Site Assessment Report - Regulator Responded

Global Id: T0607378792
Action Type: Other
Date: 06/12/2003
Action: Leak Reported

Global Id: T0607378792
Action Type: ENFORCEMENT
Date: 11/12/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607378792
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607378792
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607378792
Action Type: RESPONSE
Date: 07/07/2013
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0607378792
Action Type: RESPONSE
Date: 07/07/2012
Action: Other Workplan - Regulator Responded

Global Id: T0607378792
Action Type: ENFORCEMENT
Date: 06/18/2003
Action: Notice of Responsibility

Global Id: T0607378792
Action Type: RESPONSE
Date: 01/30/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0607378792
Action Type: ENFORCEMENT

ARCO #05792 (Continued) **S103639418**

Date: 09/24/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607378792
Action Type: ENFORCEMENT
Date: 12/09/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607378792
Action Type: Other
Date: 06/16/2003
Action: Leak Stopped

Global Id: T0607378792
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607378792
Action Type: ENFORCEMENT
Date: 03/08/2010
Action: Technical Correspondence / Assistance / Other

SAN DIEGO CO. HMMD:
Facility Id: 210186
Business Type: 6HK28
EPA Id Number: CAL000348827
APN: 213-092-17-00
Last HMMD Inspection: 06/19/2012
Permit Status: OPEN
Permit Expiration: 09/30/2013
Facility Owner: MESA ROCK, INC
Facility Address: 1991 PALOMAR AIRPORT RD
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92011
UST Owner: PALOMAR AIRPORT PARTNERS, INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 132235 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 210186
Tank Type: DOUBLE WALL
Additional Id: NT1624 /RT2217
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1992-01-01 00:00:00

ARCO #05792 (Continued) **S103639418**

Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 132235 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	210186
Tank Type:	DOUBLE WALL
Additional Id:	NT1624 /RT2217
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1992-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 132235 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	210186
Tank Type:	DOUBLE WALL
Additional Id:	NT1624 /RT2217
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1992-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 132235 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	210186
Tank Type:	DOUBLE WALL
Additional Id:	NT1624/RT2217
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1992-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

ARCO #05792 (Continued) **S103639418**

Active Permits:

Facility Id:	210186
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WASTE GASOLINE-WATER MIX
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	210186
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 132235 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	210186
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	SUPER UNLEADED
Other Information:	UNDERGROUND TANK 132235 T004
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	210186
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 132235 T002
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	210186
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 132235 T001
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	210186
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	GAS FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

ARCO #05792 (Continued) **S103639418**

Facility Id: 210186
Update Date: 11/02/2012
Inspection Date: 07/07/2010
Violation Code: 6HV3254
Violation: UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation: UST system does not have an approved overfill protection system. 2635(b)(2)
Activity: ACTIVE

Facility Id: 210186
Update Date: 11/02/2012
Inspection Date: 07/07/2010
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Facility Id: 132235
Business Type: 6HK28
EPA Id Number: CAL000104794
APN: 213-092-17-00
Last HMMD Inspection: 07/15/2008
Permit Status: CHNG
Permit Expiration: 01/31/2009
Facility Owner: BP WEST COAST PRODUCTS LLC
Facility Address: PO BOX 6038
Facility City: ARTESIA
Facility State: CA
Facility Zip: 90702-6038
UST Owner: BP WEST COAST PRODUCTS LLC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 132235 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 132235
Tank Type: DOUBLE WALL
Additional Id: NT1624 /RT2217
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1992-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 132235 T002

ARCO #05792 (Continued) **S103639418**

Last Update:	2012-11-02 14:17:38
Permit Number:	132235
Tank Type:	DOUBLE WALL
Additional Id:	NT1624 /RT2217
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1992-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 132235 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	132235
Tank Type:	DOUBLE WALL
Additional Id:	NT1624 /RT2217
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1992-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 132235 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	132235
Tank Type:	DOUBLE WALL
Additional Id:	NT1624/RT2217
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1992-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	91361
Air District Name:	SD

ARCO #05792 (Continued) **S103639418**

SIC Code:	5541
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:	6
Reactive Organic Gases Tons/Yr:	6
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:	91361
Air District Name:	SD
SIC Code:	5541
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:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	91361
Air District Name:	SD
SIC Code:	5541
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:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	91361
Air District Name:	SD
SIC Code:	5541
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:	4
Reactive Organic Gases Tons/Yr:	4

ARCO #05792 (Continued) **S103639418**

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:	91361
Air District Name:	SD
SIC Code:	5541
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:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	91361
Air District Name:	SD
SIC Code:	5541
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:	4.0943938
Reactive Organic Gases Tons/Yr:	4.0943938
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:	91361
Air District Name:	SD
SIC Code:	5541
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:	4.0943938
Reactive Organic Gases Tons/Yr:	4.0943938
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

ARCO #05792 (Continued) **S103639418**

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	91361
Air District Name:	SD
SIC Code:	5541
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:	5.61
Reactive Organic Gases Tons/Yr:	5.61
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:	91361
Air District Name:	SD
SIC Code:	5541
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:	5.61
Reactive Organic Gases Tons/Yr:	5.61
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:	2008
County Code:	37
Air Basin:	SD
Facility ID:	91361
Air District Name:	SD
SIC Code:	5541
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:	5.61
Reactive Organic Gases Tons/Yr:	5.61
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:	91361
Air District Name:	SD
SIC Code:	5541

ARCO #05792 (Continued) **S103639418**

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:	5.6100000000000003
Reactive Organic Gases Tons/Yr:	5.6100000000000003
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:	91361
Air District Name:	SD
SIC Code:	5541
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:	5.6100000000000003
Reactive Organic Gases Tons/Yr:	5.6100000000000003
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:	2011
County Code:	37
Air Basin:	SD
Facility ID:	91361
Air District Name:	SD
SIC Code:	5541
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:	5.61
Reactive Organic Gases Tons/Yr:	5.61
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:	2012
County Code:	37
Air Basin:	SD
Facility ID:	91361
Air District Name:	SD
SIC Code:	5541
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:	5.61
Reactive Organic Gases Tons/Yr:	5.61
Carbon Monoxide Emissions Tons/Yr:	0

ARCO #05792 (Continued) **S103639418**

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:	2013
County Code:	37
Air Basin:	SD
Facility ID:	91361
Air District Name:	SD
SIC Code:	5541
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:	5.61
Reactive Organic Gases Tons/Yr:	5.61
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:	2014
County Code:	37
Air Basin:	SD
Facility ID:	91361
Air District Name:	SD
SIC Code:	5541
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:	5.61
Reactive Organic Gases Tons/Yr:	5.61
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:	2015
County Code:	37
Air Basin:	SD
Facility ID:	91361
Air District Name:	SD
SIC Code:	5541
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:	5.61
Reactive Organic Gases Tons/Yr:	5.61
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

S75
SSW
1/8-1/4
0.223 mi.
1179 ft.

ARCO
1991 PALOMAR AIRPORT RD
CARLSBAD, CA 92009

Site 2 of 4 in cluster S

CA SAN DIEGO CO. SAM **S106874379**
N/A

Relative:
Lower

Actual:
187 ft.

SAN DIEGO CO. SAM:

Case Number:	H32235-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Action (Clean-Up)
Date:	10/20/2004
Date Began:	6/12/2003

S76
SSW
1/8-1/4
0.223 mi.
1179 ft.

ARCO FACILITY NO 05792
1991 PALOMAR AIRPORT ROAD
CARLSBAD, CA 92011

Site 3 of 4 in cluster S

RCRA-SQG **1004678075**
FINDS **CAR000104794**
ECHO

Relative:
Lower

Actual:
187 ft.

RCRA-SQG:

Date form received by agency:	07/10/2002
Facility name:	ARCO FACILITY NO 05792
Facility address:	1991 PALOMAR AIRPORT RD CARLSBAD, CA 92009
EPA ID:	CAR000104794
Mailing address:	P O BOX 6038 ARTESIA, CA 907026038
Contact:	JACK OMAN
Contact address:	P O BOX 6038 ARTESIA, CA 907026038
Contact country:	US
Contact telephone:	(714) 690-2425
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:	B P W COAST PRODUCTS LLC
Owner/operator address:	P O BOX 6038 ARTESIA, CA 90702
Owner/operator country:	Not reported
Owner/operator telephone:	(714) 690-2425
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

ARCO FACILITY NO 05792 (Continued) **1004678075**

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: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110055764356

Environmental Interest/Information System
STATE MASTER

Registry ID: 110012251730

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.

HAZARDOUS AIR POLLUTANT MAJOR

ECHO:
Envid: 1004678075
Registry ID: 110055764356
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110055764356

Envid: 1004678075
Registry ID: 110012251730
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110012251730

S77 **AM/PM MKT/ARCO #5792** **CA UST** **U003937538**
SSW **1991 PALOMAR AIRPORT RD** **N/A**
1/8-1/4 **CARLSBAD, CA 92011**
0.223 mi.
1179 ft. **Site 4 of 4 in cluster S**

Relative:
Lower

Actual:
187 ft.

UST:
Facility ID: H32235
Permitting Agency: SAN DIEGO COUNTY
Latitude: 33.120399
Longitude: -117.28059

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78 **PALOMAR FORUM** **CA SAN DIEGO CO. SAM** **S106874950**
ENE **3100 PALOMAR AIRPORT RD** **CA SLIC** **N/A**
1/4-1/2 **CARLSBAD, CA 92008**
0.309 mi.
1629 ft.

Relative:
Higher

Actual:
367 ft.

SAN DIEGO CO. SAM:
Case Number: H39612-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 9/11/2002
Date Began: 8/1/2002

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 09/11/2002
Global Id: T0607313329
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H39612-001
Latitude: 33.130602
Longitude: -117.259704
Case Type: Cleanup Program Site
Case Worker: LA
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Not reported
Site History: Not reported

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

T79 **BECKMAN COULTER INC** **CA ENVIROSTOR** **1000271455**
NE **2470 FARADAY AVE.** **CA San Diego Co. HMMD** **N/A**
1/4-1/2 **CARLSBAD, CA 92008** **FINDS**
0.364 mi. **CA NPDES**
1920 ft. **Site 1 of 2 in cluster T** **ECHO**

Relative:
Higher

Actual:
330 ft.

ENVIROSTOR:
Facility ID: 37280049
Status: Refer: Other Agency
Status Date: 11/07/1994
Site Code: Not reported

BECKMAN COULTER INC (Continued) **1000271455**

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: 76
Senate: 36
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.13760
Longitude: -117.2696
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD072518517
Alias Type: EPA Identification Number
Alias Name: 110000770522
Alias Type: EPA (FRS #)
Alias Name: 37280049
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 06/27/1989
Comments: FACILITY IDENTIFIED EPA FIT PRELIMINARY ASSESSMENT EPA COMPLETED PRELIMINARY ASSESSMENT AND RECOMMEND NO FURTHER ACTION; RECOMMEND SITE SCREENING FOR STATE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/07/1994
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

SAN DIEGO CO. HMMD:
Facility Id: 107895
Business Type: 6HK67

BECKMAN COULTER INC (Continued) **1000271455**

EPA Id Number:	CAD072518517
APN:	209-050-25-00
Last HMMD Inspection:	07/27/2012
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Facility Owner:	BECKMAN INSTRUMENTS, INC.
Facility Address:	2470 FARADAY AVE
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92010
UST Owner:	NONE
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

UST:

UST Name:	UNDERGROUND TANK 107895 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	107895
Tank Type:	UNKNOWN
Additional Id:	SUMP 1
Capacity Gallons:	1
UST Contents:	Not reported
Other Content Info:	OTHER - SPECIFY
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name:	UNDERGROUND TANK 107895 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	107895
Tank Type:	UNKNOWN
Additional Id:	SUMP 3A
Capacity Gallons:	1
UST Contents:	Not reported
Other Content Info:	OTHER - SPECIFY
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name:	UNDERGROUND TANK 107895 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	107895
Tank Type:	UNKNOWN
Additional Id:	SUMP 3B
Capacity Gallons:	1
UST Contents:	Not reported

BECKMAN COULTER INC (Continued) **1000271455**

Other Content Info: OTHER - SPECIFY
Reg Status: EXEMPT
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 24
UST Monitor Method: VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name: UNDERGROUND TANK 107895 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 107895
Tank Type: UNKNOWN
Additional Id: SUMP 4
Capacity Gallons: 1
UST Contents: Not reported
Other Content Info: OTHER - SPECIFY
Reg Status: EXEMPT
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 24
UST Monitor Method: VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

Active Permits:
Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: AIR, COMPRESSED
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 07647-01-0
Name: HYDROCHLORIC ACID, 6N
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 122-99-6
Name: PHENOXYETHANOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 75-45-6
Name: REFRIGERANT 22

BECKMAN COULTER INC (Continued) **1000271455**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 10101-89-0
Name: SODIUM PHOSPHATE TRIBASIC
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 123 UNSPECIFIED ALKALINE SOL'N
Other Information: PARTS CLEANER SOLN.
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: SPENT CAUSTIC REAGENTS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 721 LIQUIDS W ARSENIC - R
Other Information: BUFFER W/ ARSENIC
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 124-68-5
Name: 2-AMINO-2-METHYL-1-PROPANOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 58-08-2
Name: CAFFEINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE

BECKMAN COULTER INC (Continued) **1000271455**

Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: COMPRESSED GAS, ANAEROBIC MIXTURE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 50-00-1
Name: GUANIDINE HYDROCHLORIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 306-83-2
Name: REFRIGERANT-123
Other Information: REFRIGERANT-123
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 127-09-3
Name: SODIUM ACETATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7647-14-5
Name: SODIUM CHLORIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 1310-73-2
Name: SODIUM HYDROXIDE, LIQUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895

BECKMAN COULTER INC (Continued) **1000271455**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	ISOPROPANOL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	TOXIC, ORG. LIQ.
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	107895
Update Date:	11/02/2012
Case Number:	68154-97-2
Name:	ALKYL ETHOXYLATE SURFACTANT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	107895
Update Date:	11/02/2012
Case Number:	6132-04-3
Name:	CITRIC ACID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	107895
Update Date:	11/02/2012
Case Number:	1333-74-0
Name:	COMPRESSED GAS,HYDROGEN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	107895
Update Date:	11/02/2012
Case Number:	26239-55-4
Name:	N-(2-ACETAMIDO) IMINODIACETIC ACID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	107895
Update Date:	11/02/2012
Case Number:	1727-37-9
Name:	NITROGEN,LIQUIFIED

BECKMAN COULTER INC (Continued) **1000271455**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7757-82-6
Name: SODIUM SULFATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 102-71-6
Name: TRIETHANOLAMINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: 10% NON-RCRA LIQ. BUFFERS, SALTS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER) --
Other Information: RAGS, ABSORBENTS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS*
Other Information: GLYCEROL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: WASTE LAB DEBRIS, ARSENIC
Material Waste: Waste
Hazardous Categories 1: Not reported

BECKMAN COULTER INC (Continued) **1000271455**

Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 64-19-7
Name: ACETIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 56-41-7
Name: ALANINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 68334-30-5
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 27176-87-0
Name: DODECYLBENZENE SULFONIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 64-17-5
Name: ETHANOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 67-63-0
Name: ISOPROPYL ALCOHOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 107895

BECKMAN COULTER INC (Continued) **1000271455**

Update Date:	11/02/2012
Case Number:	88-89-1
Name:	PICRIC ACID,NOT LESS THAN 10% WATER
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	Not reported
Facility Id:	107895
Update Date:	11/02/2012
Case Number:	25322-69-4
Name:	PROPYLENE GLYCOL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)(3)
Other Information:	CORR.BASIC INORG SOLID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS*
Other Information:	SULFAMYL SURFACTANT ETHOXYLATED
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	NON-RCRA LIQ.
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information:	SULFURIC ACID, WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 905 INFECTIOUS WASTE, LAB

BECKMAN COULTER INC (Continued) **1000271455**

Other Information: SHARPS ONLY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE,LIQUIFIED
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 74-86-2
Name: COMPRESSED GAS,ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 9004-82-4
Name: LAURYL ETHER SULFATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 144-02-5
Name: SODIUM BARBITAL BUFFER MIX
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID (2 TANKS), 36% 95%
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 57-13-6
Name: UREA CARBAMIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE

BECKMAN COULTER INC (Continued) **1000271455**

Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER) - SODIUM AZIDE DEBRIS
Other Information: PICNIC ACID DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)(4)
Other Information: NON RCRA DEBRIS W/NA BARBITOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS(6)
Other Information: TOXIC, CORR, ORG, SOLID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 12054-85-2
Name: AMMONIUM MOLYBDATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGEN
Other Information: Not reported
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: COMPRESSED GAS, OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 107895

BECKMAN COULTER INC (Continued) **1000271455**

Update Date: 11/02/2012
Case Number: 140-95-4
Name: DIMETHYLOLUREA
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 56-81-5
Name: GLYCEROL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 56-84-8
Name: L-ASPARTIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 67-56-1
Name: METHYL ALCOHOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7664-38-7
Name: PHOSPHORIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 1310-58-3
Name: POTASSIUM HYDROXIDE,SOLID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 68-04-2
Name: SODIUM CITRATE

BECKMAN COULTER INC (Continued) **1000271455**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: METHANOL, ETHANOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS*
Other Information: PICRIC ACID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 4432-31-9
Name: 2-(N-MORPHOLINO) ETHANE SULFONIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: BOXING GLUE
Other Information: BOXING BLUE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 61791-10-4
Name: ETHOQUAD C/25 W/AMMONIUM CHLORIDES
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 64742-65-0
Name: OIL, LUBRICATING, MISC
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE

BECKMAN COULTER INC (Continued) **1000271455**

Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 25322-68-3
Name: POLYETHYLENE GLYCOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7778-80-5
Name: POTASSIUM SULFATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 1303-96-4
Name: SODIUM BORATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)(1)
Other Information: CORR.ACIDIC, INORG.SOLID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS(2)
Other Information: FLAM., ORG. SOLIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 513 EMPTY CONTNR(LESS THAN 30 GAL)
Other Information: SODIUM AZIDE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895

BECKMAN COULTER INC (Continued) **1000271455**

Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: SULFURIC ACID, HYDROCHLORIC ACID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 828-00-2
Name: BIO-BAN (DIMETHOXANE)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: COMPRESSED GAS,NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7447-40-7
Name: POTASSIUM CHLORIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7758-11-4
Name: POTASSIUM PHOSPHATE DIBASIC
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 75-718
Name: REFRIGERANT 12

BECKMAN COULTER INC (Continued) **1000271455**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 76-15-3
Name: REFRIGERANT 502
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 1310-73-2
Name: SODIUM HYDROXIDE, SOLID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 151-21-3
Name: SODIUM LAURYL SULFATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 79-01-6
Name: TRICHOROETHYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 77-86-1
Name: TRIS (HYDROXYMETHYL) AMINO METHANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: SODIUM/POTASSIUM HYDROXIDE
Material Waste: Waste
Hazardous Categories 1: Not reported

BECKMAN COULTER INC (Continued) **1000271455**

Hazardous Categories 2: Not reported

Facility Id: 107895
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

Violations Active Permits:

Facility Id: 107895
Update Date: 11/02/2012
Inspection Date: 11/19/2009
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

Facility Id: 107895
Update Date: 11/02/2012
Inspection Date: 11/19/2009
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 107895
Update Date: 11/02/2012
Inspection Date: 11/19/2009
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation: Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity: ACTIVE

Facility Id: 107895
Update Date: 11/02/2012
Inspection Date: 06/02/2005
Violation Code: 6HV4205
Violation: MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation: Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity: ACTIVE

Facility Id: 107895
Update Date: 11/02/2012
Inspection Date: 11/19/2009
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)

BECKMAN COULTER INC (Continued) **1000271455**

Activity: ACTIVE

Facility Id: 107895
Business Type: 6HK67
EPA Id Number: CAD072518517
APN: 209-050-25-00
Last HMMD Inspection: 07/27/2012
Permit Status: OPEN
Permit Expiration: 02/28/2013
Facility Owner: BECKMAN INSTRUMENTS, INC.
Facility Address: 2470 FARADAY AVE
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92010
UST Owner: NONE
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: Y

UST:
UST Name: UNDERGROUND TANK 107895 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 107895
Tank Type: UNKNOWN
Additional Id: SUMP 1
Capacity Gallons: 1
UST Contents: Not reported
Other Content Info: OTHER - SPECIFY
Reg Status: EXEMPT
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 24
UST Monitor Method: VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name: UNDERGROUND TANK 107895 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 107895
Tank Type: UNKNOWN
Additional Id: SUMP 3A
Capacity Gallons: 1
UST Contents: Not reported
Other Content Info: OTHER - SPECIFY
Reg Status: EXEMPT
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 24
UST Monitor Method: VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name: UNDERGROUND TANK 107895 T003
Last Update: 2012-11-02 14:17:38

BECKMAN COULTER INC (Continued) **1000271455**

Permit Number: 107895
Tank Type: UNKNOWN
Additional Id: SUMP 3B
Capacity Gallons: 1
UST Contents: Not reported
Other Content Info: OTHER - SPECIFY
Reg Status: EXEMPT
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 24
UST Monitor Method: VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name: UNDERGROUND TANK 107895 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 107895
Tank Type: UNKNOWN
Additional Id: SUMP 4
Capacity Gallons: 1
UST Contents: Not reported
Other Content Info: OTHER - SPECIFY
Reg Status: EXEMPT
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 24
UST Monitor Method: VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

Active Permits:
Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: AIR, COMPRESSED
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 07647-01-0
Name: HYDROCHLORIC ACID, 6N
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 122-99-6
Name: PHENOXYETHANOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

BECKMAN COULTER INC (Continued) **1000271455**

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	75-45-6
Name:	REFRIGERANT 22
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	10101-89-0
Name:	SODIUM PHOSPHATE TRIBASIC
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 123 UNSPECIFIED ALKALINE SOL'N
Other Information:	PARTS CLEANER SOLN.
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	SPENT CAUSTIC REAGENTS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 721 LIQUIDS W ARSENIC - R
Other Information:	BUFFER W/ ARSENIC
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	124-68-5
Name:	2-AMINO-2-METHYL-1-PROPANOL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	58-08-2

BECKMAN COULTER INC (Continued) **1000271455**

Name: CAFFEINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: COMPRESSED GAS, ANAEROBIC MIXTURE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 50-00-1
Name: GUANIDINE HYDROCHLORIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 306-83-2
Name: REFRIGERANT-123
Other Information: REFRIGERANT-123
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 127-09-3
Name: SODIUM ACETATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7647-14-5
Name: SODIUM CHLORIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 1310-73-2
Name: SODIUM HYDROXIDE, LIQUID
Other Information: Not reported
Material Waste: Material

BECKMAN COULTER INC (Continued) **1000271455**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: ISOPROPANOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: TOXIC, ORG. LIQ.
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 68154-97-2
Name: ALKYL ETHOXYLATE SURFACTANT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 6132-04-3
Name: CITRIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 1333-74-0
Name: COMPRESSED GAS,HYDROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 26239-55-4
Name: N-(2-ACETAMIDO) IMINODIACETIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

BECKMAN COULTER INC (Continued) **1000271455**

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	1727-37-9
Name:	NITROGEN,LIQUIFIED
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	7757-82-6
Name:	SODIUM SULFATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	102-71-6
Name:	TRIETHANOLAMINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information:	10% NON-RCRA LIQ. BUFFERS, SALTS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER) --
Other Information:	RAGS, ABSORBENTS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS*
Other Information:	GLYCEROL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported

BECKMAN COULTER INC (Continued) **1000271455**

Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: WASTE LAB DEBRIS, ARSENIC
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 64-19-7
Name: ACETIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 56-41-7
Name: ALANINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 68334-30-5
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 27176-87-0
Name: DODECYLBENZENE SULFONIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 64-17-5
Name: ETHANOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 67-63-0
Name: ISOPROPYL ALCOHOL
Other Information: Not reported
Material Waste: Material

BECKMAN COULTER INC (Continued) **1000271455**

Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 88-89-1
Name: PICRIC ACID,NOT LESS THAN 10% WATER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 25322-69-4
Name: PROPYLENE GLYCOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)(3)
Other Information: CORR.BASIC INORG SOLID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS*
Other Information: SULFAMYL SURFACTANT ETHOXYLATED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: NON-RCRA LIQ.
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: SULFURIC ACID, WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

BECKMAN COULTER INC (Continued) **1000271455**

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 905 INFECTIOUS WASTE, LAB
Other Information:	SHARPS ONLY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE,LIQUIFIED
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	COMPRESSED GAS,ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	9004-82-4
Name:	LAURYL ETHER SULFATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	144-02-5
Name:	SODIUM BARBITAL BUFFER MIX
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	7664-93-9
Name:	SULFURIC ACID (2 TANKS), 36% 95%
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	57-13-6

BECKMAN COULTER INC (Continued) **1000271455**

Name: UREA CARBAMIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER) - SODIUM AZIDE DEBRIS
Other Information: PICNIC ACID DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)(4)
Other Information: NON RCRA DEBRIS W/NA BARBITOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS(6)
Other Information: TOXIC, CORR, ORG, SOLID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 12054-85-2
Name: AMMONIUM MOLYBDATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGEN
Other Information: Not reported
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: COMPRESSED GAS, OXYGEN
Other Information: Not reported
Material Waste: Material

BECKMAN COULTER INC (Continued) **1000271455**

Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 140-95-4
Name: DIMETHYLOLUREA
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 56-81-5
Name: GLYCEROL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 56-84-8
Name: L-ASPARTIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 67-56-1
Name: METHYL ALCOHOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7664-38-7
Name: PHOSPHORIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 1310-58-3
Name: POTASSIUM HYDROXIDE,SOLID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

BECKMAN COULTER INC (Continued) **1000271455**

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	68-04-2
Name:	SODIUM CITRATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 212 OXYGENATED SOLVENTS
Other Information:	METHANOL, ETHANOL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS*
Other Information:	PICRIC ACID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	4432-31-9
Name:	2-(N-MORPHOLINO) ETHANE SULFONIC ACID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported
Name:	BOXING GLUE
Other Information:	BOXING BLUE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	61791-10-4
Name:	ETHOQUAD C/25 W/AMMONIUM CHLORIDES
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	64742-65-0

BECKMAN COULTER INC (Continued) **1000271455**

Name: OIL, LUBRICATING, MISC
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 25322-68-3
Name: POLYETHYLENE GLYCOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7778-80-5
Name: POTASSIUM SULFATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 1303-96-4
Name: SODIUM BORATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)(1)
Other Information: CORR.ACIDIC, INORG.SOLID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS(2)
Other Information: FLAM., ORG. SOLIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 513 EMPTY CONTNR(LESS THAN 30 GAL)
Other Information: SODIUM AZIDE
Material Waste: Waste

BECKMAN COULTER INC (Continued) **1000271455**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: SULFURIC ACID, HYDROCHLORIC ACID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 828-00-2
Name: BIO-BAN (DIMETHOXANE)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: COMPRESSED GAS,NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7447-40-7
Name: POTASSIUM CHLORIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 107895
Update Date: 11/02/2012
Case Number: 7758-11-4
Name: POTASSIUM PHOSPHATE DIBASIC
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

BECKMAN COULTER INC (Continued) **1000271455**

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	75-718
Name:	REFRIGERANT 12
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	76-15-3
Name:	REFRIGERANT 502
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	1310-73-2
Name:	SODIUM HYDROXIDE, SOLID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	151-21-3
Name:	SODIUM LAURYL SULFATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	79-01-6
Name:	TRICHOROETHYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	77-86-1
Name:	TRIS (HYDROXYMETHYL) AMINO METHANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	107895
Update Date:	11/02/2012
Case Number:	Not reported

BECKMAN COULTER INC (Continued) **1000271455**

Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: SODIUM/POTASSIUM HYDROXIDE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 107895
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

Violations Active Permits:
Facility Id: 107895
Update Date: 11/02/2012
Inspection Date: 11/19/2009
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

Facility Id: 107895
Update Date: 11/02/2012
Inspection Date: 11/19/2009
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 107895
Update Date: 11/02/2012
Inspection Date: 11/19/2009
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation: Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity: ACTIVE

Facility Id: 107895
Update Date: 11/02/2012
Inspection Date: 06/02/2005
Violation Code: 6HV4205
Violation: MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation: Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity: ACTIVE

Facility Id: 107895
Update Date: 11/02/2012
Inspection Date: 11/19/2009

BECKMAN COULTER INC (Continued) **1000271455**

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

FINDS:

Registry ID: 110000770522

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

AIR EMISSIONS CLASSIFICATION UNKNOWN

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

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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

HAZARDOUS WASTE BIENNIAL REPORTER

STATE MASTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

BECKMAN COULTER INC (Continued) **1000271455**

NPDES:

Npdes Number:	Not reported
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	218311
Order No:	Not reported
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37NEC000098
Program Type:	No Exposure Certification
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/09/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Beckman Coulter
Discharge Address:	2470 Faraday Ave
Discharge City:	Carlsbad
Discharge State:	California
Discharge Zip:	92010
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

BECKMAN COULTER INC (Continued) **1000271455**

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:	218311
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I005000
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:	5/9/2008
PROCESSED DATE:	4/9/1992
STATUS CODE NAME:	Active
STATUS DATE:	4/9/1992
PLACE SIZE:	11
PLACE SIZE UNIT:	52
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:	Beckman Coulter
OPERATOR ADDRESS:	2470 Faraday Ave
OPERATOR CITY:	Carlsbad
OPERATOR STATE:	California
OPERATOR ZIP:	92008
OPERATOR CONTACT NAME:	Dan Downing
OPERATOR CONTACT TITLE:	Not reported

BECKMAN COULTER INC (Continued) **1000271455**

OPERATOR CONTACT PHONE:	760-438-6398
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
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:	760-438-6382
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:	Pacific Ocean
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	2835-In Vitro and In Vivo Diagnostic Substances
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

ECHO:

Envid:	1000271455
Registry ID:	110000770522
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110000770522

T80 **BECKMAN COULTER, INC** **SEMS-ARCHIVE** **1015732775**
NE **2470 FARADAY AVE** **RCRA-LQG** **CAD072518517**
1/4-1/2 **CARLSBAD, CA 92010** **ICIS**
0.364 mi.
1920 ft. **Site 2 of 2 in cluster T**

Relative:
Higher

Actual:
330 ft.

SEMS-ARCHIVE:

Site ID:	901565
EPA ID:	CAD072518517
Federal Facility:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

BECKMAN COULTER, INC (Continued) **1015732775**

Following information was gathered from the prior CERCLIS update completed in 10/2013:
Site ID: 0901565
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: 13287314.00000
Person ID: 13003854.00000

Contact Sequence ID: 13292909.00000
Person ID: 13003858.00000

Contact Sequence ID: 13298767.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 12/01/79
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 07/01/80
Priority Level: Low priority for further assessment

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 06/30/89
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 06/30/89
Priority Level: Not reported

RCRA-LQG:
Date form received by agency: 03/01/2014
Facility name: BECKMAN COULTER, INC
Facility address: 2470 FARADAY AVE
CARLSBAD, CA 92010
EPA ID: CAD072518517
Mailing address: FARADAY AVE
CARLSBAD, CA 92010
Contact: DEBORAH Y TALBOT
Contact address: FARADAY AVE
CARLSBAD, CA 92010
Contact country: Not reported
Contact telephone: (760) 438-6433
Contact email: DYTALBOT@BECKMAN.COM
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

BECKMAN COULTER, INC (Continued) **1015732775**

during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	BECKMAN COULTER
Owner/operator address:	SOUTH KRAMER BLVD PO BOX 8000
	BREA, CA 92822
Owner/operator country:	Not reported
Owner/operator telephone:	(760) 438-6433
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/01/1983
Owner/Op end date:	Not reported

Owner/operator name:	BECKMAN COULTER
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	07/01/1983
Owner/Op end date:	Not reported

Handler Activities Summary:

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

. Waste code:	D001
. Waste name:	IGNITABLE WASTE

. Waste code:	D002
. Waste name:	CORROSIVE WASTE

. Waste code:	D003

BECKMAN COULTER, INC (Continued) **1015732775**

. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D009
. Waste name: MERCURY

. Waste code: D022
. Waste name: CHLOROFORM

. 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: P105
. Waste name: SODIUM AZIDE

. Waste code: U007
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

. Waste code: U138
. Waste name: METHANE, IODO- (OR) METHYL IODIDE

. Waste code: U188
. Waste name: PHENOL

Historical Generators:
Date form received by agency: 02/29/2012
Site name: BECKMAN COULTER, INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

BECKMAN COULTER, INC (Continued) **1015732775**

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. 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.

. Waste code: P105
. Waste name: SODIUM AZIDE

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U007
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U085
. Waste name: 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE

. Waste code: U108
. Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE

. Waste code: U138
. Waste name: METHANE, IODO- (OR) METHYL IODIDE

BECKMAN COULTER, INC (Continued) **1015732775**

. Waste code: U188
. Waste name: PHENOL

Date form received by agency: 05/28/2010
Site name: BECKMAN COULTER, INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. 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: P105
. Waste name: SODIUM AZIDE

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U188
. Waste name: PHENOL

Date form received by agency: 02/26/2008
Site name: BECKMAN COULTER, INC

BECKMAN COULTER, INC (Continued) **1015732775**

Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. 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: P105
. Waste name: SODIUM AZIDE

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U188
. Waste name: PHENOL

BECKMAN COULTER, INC (Continued) **1015732775**

Date form received by agency: 02/13/2006
Site name: BECKMAN COULTER INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D009
. Waste name: MERCURY

. Waste code: D022
. Waste name: CHLOROFORM

. 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: P105
. Waste name: SODIUM AZIDE

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

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

. Waste code: U188
. Waste name: PHENOL

Date form received by agency: 02/24/2004
Site name: BECKMAN COULTER, INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003

BECKMAN COULTER, INC (Continued) **1015732775**

. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. 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.

. Waste code: P105
. Waste name: SODIUM AZIDE

. Waste code: U021
. Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U108
. Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U135

BECKMAN COULTER, INC (Continued) **1015732775**

. Waste name: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

. Waste code: U188
. Waste name: PHENOL

Date form received by agency: 02/25/2002
Site name: BECKMAN COULTER, INC.
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: BECKMAN COULTER, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: BECKMAN INSTRUMENTS INC.
Classification: Large Quantity Generator

Date form received by agency: 07/17/1998
Site name: BECKMAN COULTER INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. 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: P008
. Waste name: 4-AMINOPYRIDINE (OR) 4-PYRIDINAMINE

BECKMAN COULTER, INC (Continued) **1015732775**

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P105
. Waste name: SODIUM AZIDE

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U188
. Waste name: PHENOL

Date form received by agency: 09/01/1996
Site name: BECKMAN COULTER INC
Classification: Large Quantity Generator

Date form received by agency: 02/28/1994
Site name: BECKMAN INSTRUMENTS INC
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992
Site name: BECKMAN INSTRUMENTS INC
Classification: Large Quantity Generator

Date form received by agency: 04/09/1990
Site name: BECKMAN INSTRUMENTS, INC.
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 12394

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 90044

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

BECKMAN COULTER, INC (Continued) **1015732775**

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 2914

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 340

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 13

Waste code: D011
Waste name: SILVER
Amount (Lbs): 2914

Waste code: D022
Waste name: CHLOROFORM
Amount (Lbs): 2914

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 8264

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 2914

Waste code: P105
Waste name: SODIUM AZIDE
Amount (Lbs): 1116

Waste code: U003
Waste name: ACETONITRILE (I,T)
Amount (Lbs): 2914

Waste code: U007
Waste name: ACRYLAMIDE
Amount (Lbs): 2914

Waste code: U044
Waste name: CHLOROFORM
Amount (Lbs): 2914

BECKMAN COULTER, INC (Continued) **1015732775**

Waste code: U085
Waste name: 2,2'-BIOXIRANE
Amount (Lbs): 2914

Waste code: U108
Waste name: 1,4-DIETHYLENEOXIDE
Amount (Lbs): 2914

Waste code: U138
Waste name: METHANE, IODO-
Amount (Lbs): 2914

Waste code: U188
Waste name: PHENOL
Amount (Lbs): 2914

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/19/2009
Date achieved compliance: 04/05/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/19/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 05/16/2007
Date achieved compliance: 05/16/2007
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/28/2007
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: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 05/16/2007
Date achieved compliance: 05/16/2007
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 06/28/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported

BECKMAN COULTER, INC (Continued) **1015732775**

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: 10/28/1993
Date achieved compliance: 10/28/1998
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 - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 02/10/1992
Date achieved compliance: 10/28/1993
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: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/10/1990
Date achieved compliance: 02/10/1992
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: 12/05/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/19/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/05/2010
Evaluation lead agency: State

BECKMAN COULTER, INC (Continued) **1015732775**

Evaluation date: 07/06/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/16/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 05/16/2007
Evaluation lead agency: EPA

Evaluation date: 05/12/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: Local

Evaluation date: 06/29/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 10/28/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/28/1998
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 02/10/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/28/1993
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 07/10/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/10/1992
Evaluation lead agency: State Contractor/Grantee

ICIS:
Enforcement Action ID: 09-2000-0364
FRS ID: 110000770522
Program ID: BR CAD072518517
Action Name: BECKMAN COULTER INC.
Full Address: 2470 FARADAY AVE. CARLSBAD CA 920084836
State: California
Facility Name: BECKMAN COULTER INC
Facility Address: 2470 FARADAY AVE.
CARLSBAD, CA 920084836
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: SAN DIEGO
EPA Region #: 9

Enforcement Action ID: 09-2000-0364
FRS ID: 110000770522

BECKMAN COULTER, INC (Continued) **1015732775**

Program ID: CA-CERS 10055521
Action Name: BECKMAN COULTER INC.
Full Address: 2470 FARADAY AVE. CARLSBAD CA 920084836
State: California
Facility Name: BECKMAN COULTER INC
Facility Address: 2470 FARADAY AVE.
CARLSBAD, CA 920084836
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: SAN DIEGO
EPA Region #: 9

Enforcement Action ID: 09-2000-0364
FRS ID: 110000770522
Program ID: EIS 10021011
Action Name: BECKMAN COULTER INC.
Full Address: 2470 FARADAY AVE. CARLSBAD CA 920084836
State: California
Facility Name: BECKMAN COULTER INC
Facility Address: 2470 FARADAY AVE.
CARLSBAD, CA 920084836
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: SAN DIEGO
EPA Region #: 9

Enforcement Action ID: 09-2000-0364
FRS ID: 110000770522
Program ID: FRS 110000770522
Action Name: BECKMAN COULTER INC.
Full Address: 2470 FARADAY AVE. CARLSBAD CA 920084836
State: California
Facility Name: BECKMAN COULTER INC
Facility Address: 2470 FARADAY AVE.
CARLSBAD, CA 920084836
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: SAN DIEGO
EPA Region #: 9

Enforcement Action ID: 09-2000-0364
FRS ID: 110000770522
Program ID: TRIS 92008BCKMN2470F
Action Name: BECKMAN COULTER INC.
Full Address: 2470 FARADAY AVE. CARLSBAD CA 920084836
State: California
Facility Name: BECKMAN COULTER INC
Facility Address: 2470 FARADAY AVE.
CARLSBAD, CA 920084836
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: SAN DIEGO
EPA Region #: 9

Enforcement Action ID: 09-2000-0364
FRS ID: 110000770522
Program ID: NCDB D09#EPCRA09-00-0003
Action Name: BECKMAN COULTER INC.
Full Address: 2470 FARADAY AVE. CARLSBAD CA 920084836
State: California
Facility Name: BECKMAN COULTER INC

BECKMAN COULTER, INC (Continued) **1015732775**

Facility Address: 2470 FARADAY AVE.
CARLSBAD, CA 920084836
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: SAN DIEGO
EPA Region #: 9

Enforcement Action ID: 09-2000-0364
FRS ID: 110000770522
Program ID: NEI NEICA07392008BCKMN24
Action Name: BECKMAN COULTER INC.
Full Address: 2470 FARADAY AVE. CARLSBAD CA 920084836
State: California
Facility Name: BECKMAN COULTER INC
Facility Address: 2470 FARADAY AVE.
CARLSBAD, CA 920084836
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: SAN DIEGO
EPA Region #: 9

Enforcement Action ID: 09-2000-0364
FRS ID: 110000770522
Program ID: RCRAINFO CAD072518517
Action Name: BECKMAN COULTER INC.
Full Address: 2470 FARADAY AVE. CARLSBAD CA 920084836
State: California
Facility Name: BECKMAN COULTER INC
Facility Address: 2470 FARADAY AVE.
CARLSBAD, CA 920084836
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: SAN DIEGO
EPA Region #: 9

Enforcement Action ID: 09-2000-0364
FRS ID: 110000770522
Program ID: HWTS-DATAMART CAD072518517
Action Name: BECKMAN COULTER INC.
Full Address: 2470 FARADAY AVE. CARLSBAD CA 920084836
State: California
Facility Name: BECKMAN COULTER INC
Facility Address: 2470 FARADAY AVE.
CARLSBAD, CA 920084836
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: SAN DIEGO
EPA Region #: 9

Program ID: BR CAD072518517
Facility Name: BECKMAN COULTER INC
Address: 2470 FARADAY AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2835

Program ID: CA-CERS 10055521
Facility Name: BECKMAN COULTER INC
Address: 2470 FARADAY AVE.

BECKMAN COULTER, INC (Continued) **1015732775**

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2835

Program ID: EIS 10021011
Facility Name: BECKMAN COULTER INC
Address: 2470 FARADAY AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2835

Program ID: FRS 110000770522
Facility Name: BECKMAN COULTER INC
Address: 2470 FARADAY AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2835

Program ID: HWTS-DATAMART CAD072518517
Facility Name: BECKMAN COULTER INC
Address: 2470 FARADAY AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2835

Program ID: NCDB D09#EPCRA09-00-0003
Facility Name: BECKMAN COULTER INC
Address: 2470 FARADAY AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2835

Program ID: NEI NEICA07392008BCKMN24
Facility Name: BECKMAN COULTER INC
Address: 2470 FARADAY AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2835

Program ID: RCRAINFO CAD072518517
Facility Name: BECKMAN COULTER INC
Address: 2470 FARADAY AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2835

Program ID: TRIS 92008BCKMN2470F
Facility Name: BECKMAN COULTER INC
Address: 2470 FARADAY AVE.
Tribal Indicator: N

BECKMAN COULTER, INC (Continued) **1015732775**

Fed Facility: No
NAIC Code: Not reported
SIC Code: 2835

U81 **HAWTHORNE MACHINERY INC** **CA SAN DIEGO CO. SAM** **U003789882**
South **2065 CAMINO VIDA ROBLE** **CA UST** **N/A**
1/4-1/2 **CARLSBAD, CA 92011** **CA AST**
0.374 mi. **CA San Diego Co. HMMD**
1974 ft. **Site 1 of 3 in cluster U** **CA SWEEPS UST**

Relative:
Lower

Actual:
179 ft.

SAN DIEGO CO. SAM:
Case Number: H29250-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 7/11/2000
Date Began: 4/6/2000

UST:
Facility ID: H29250
Permitting Agency: SAN DIEGO COUNTY
Latitude: 33.118502
Longitude: -117.276555

AST:
Certified Unified Program Agencies: San Diego
Owner: HAWTHORNE MACHINERY INC
Total Gallons: 3775

SAN DIEGO CO. HMMD:
Facility Id: 129250
Business Type: 6HK70
EPA Id Number: CAD983650557
APN: 213-061-14-00
Last HMMD Inspection: 03/07/2007
Permit Status: INAC
Permit Expiration: 08/31/2009
Facility Owner: HAWTHORNE MACHINERY INC
Facility Address: 16945 CAMINO SAN BERNARDO
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92127-
UST Owner: HAWTHORNE MACHINERY INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 129250 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 129250
Tank Type: DOUBLE WALL
Additional Id: 1 REGULAR UNLEADED/AT5130

HAWTHORNE MACHINERY INC (Continued) **U003789882**

Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2005-01-19 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 129250 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	129250
Tank Type:	DOUBLE WALL
Additional Id:	2 DIESEL/AT5130
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2005-01-19 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Violations Inactive Permits:

Facility Id:	129250
Update Date:	11/02/2012
Inspection Date:	06/11/2003
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
Facility Id:	129250
Update Date:	11/02/2012
Inspection Date:	06/11/2003
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	Inactive Permit
Facility Id:	129250
Update Date:	11/02/2012
Inspection Date:	06/11/2003
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)

HAWTHORNE MACHINERY INC (Continued) **U003789882**

Activity: Inactive Permit

SWEEPS UST:

Status:	Active
Comp Number:	29250
Number:	9
Board Of Equalization:	44-023792
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-029250-000001
Tank Status:	A
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	Active
Comp Number:	29250
Number:	9
Board Of Equalization:	44-023792
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-029250-000002
Tank Status:	A
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	Not reported

U82 **HAWTHORNE MACHINERY INC** **CA LUST** **S103640870**
South **2065 CAMINO VIDA ROBLE** **N/A**
1/4-1/2 **CARLSBAD, CA 92009**
0.374 mi.
1974 ft. **Site 2 of 3 in cluster U**

Relative:
Lower

Actual:
179 ft.

LUST:

Region:	STATE
Global Id:	T0607399244
Latitude:	33.1171239
Longitude:	-117.277862
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/11/2000
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT4056
LOC Case Number:	H29250-001

HAWTHORNE MACHINERY INC (Continued) **S103640870**

File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

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

Status History:
Global Id: T0607399244
Status: Completed - Case Closed
Status Date: 07/11/2000

Global Id: T0607399244
Status: Open - Case Begin Date
Status Date: 04/06/2000

Regulatory Activities:
Global Id: T0607399244
Action Type: ENFORCEMENT
Date: 07/03/2000
Action: Closure/No Further Action Letter - #H29250-001

Global Id: T0607399244
Action Type: Other
Date: 04/06/2000
Action: Leak Began

Global Id: T0607399244
Action Type: Other
Date: 04/06/2000
Action: Leak Discovery

Global Id: T0607399244
Action Type: Other
Date: 04/06/2000
Action: Leak Reported

Global Id: T0607399244
Action Type: Other
Date: 04/06/2000
Action: Leak Stopped

U83 **HAWTHORNE RENT IT SVC** **RCRA-SQG** **1000819088**
South **2065 CAMINO VIDA ROBLE** **CA LUST** **CAD983650557**
1/4-1/2 **CARLSBAD, CA 92011** **FINDS**
0.374 mi. **ECHO**
1974 ft. **Site 3 of 3 in cluster U**

Relative:
Lower

Actual:
179 ft.

RCRA-SQG:
Date form received by agency: 10/20/1992
Facility name: HAWTHORNE RENT IT SVC
Facility address: 2065 CAMINO VIDA ROBLE
CARLSBAD, CA 92009
EPA ID: CAD983650557
Contact: CRAIG BAKER
Contact address: P O BOX 708
SAN DIEGO, CA 92112

HAWTHORNE RENT IT SVC (Continued) **1000819088**

Contact country: US
Contact telephone: (619) 431-7000
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: JAMES T HAWTHORNE
Owner/operator address: P O BOX 708
SAN DIEGO, CA 92112
Owner/operator country: Not reported
Owner/operator telephone: (619) 674-7000
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

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT4056
Local Case: H29250-001
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Other Means
How Stopped: Not reported
Source: Piping
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only

HAWTHORNE RENT IT SVC (Continued) **1000819088**

Date Found: 04/06/2000
Date Stopped: / /
Confirm Date: / /
Submit Workplan: 5/24/00
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/06/2000
Enforce Date: Not reported
Closed Date: 7/6/00
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.5
GW Depth: >20
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

FINDS:

Registry ID: 110002886119

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.

ECHO:

Envid: 1000819088
Registry ID: 110002886119
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110002886119

84
North
1/4-1/2
0.378 mi.
1996 ft.

CARLSBAD RESEARCH CENTER
2210 FARADAY
CARLSBAD, CA 92008

CA SAN DIEGO CO. SAM

S109849389
N/A

Relative:
Lower

Actual:
300 ft.

SAN DIEGO CO. SAM:

Case Number:	29493-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	2/2/1990
Date Began:	7/28/1989

85
SSE
1/4-1/2
0.392 mi.
2069 ft.

FACILITY 13600 TANK #2
6350 YARROW
CARLSBAD, CA 92009

CA San Diego Co. HMMD
CA CHMIRS
CA HIST CORTESE

S104746546
N/A

Relative:
Lower

Actual:
213 ft.

SAN DIEGO CO. HMMD:

Facility Id:	209695
Business Type:	6HK76
EPA Id Number:	Not reported
APN:	213-050-06-00
Last HMMD Inspection:	05/09/2011
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Facility Owner:	INNOVATIVE BODY SCIENCE
Facility Address:	6350 YARROW DR #D
Facility City:	CARLSBAD
Facility State:	CA
Facility Zip:	92011
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
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

Active Permits:

Facility Id:	209695
Update Date:	11/02/2012
Case Number:	61789-40-0
Name:	COCOAMIDOPROPYL BETAINE VELVETEX BA-35
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	209695
Update Date:	11/02/2012
Case Number:	Not reported
Name:	HEXADECANOIC ACID (FATTY ACID ESTHER)
Other Information:	OCTYL PALMITATIVE
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

FACILITY 13600 TANK #2 (Continued) **S104746546**

Facility Id:	209695
Update Date:	11/02/2012
Case Number:	117875-77-1
Name:	TRIETHANOLAMINE LAURYL SULFATE STANDAPOL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	209695
Update Date:	11/02/2012
Case Number:	142-91-6
Name:	ISOPROPYL PALMITATE
Other Information:	ENIMATE IPP
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	209695
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

Facility Id:	209695
Update Date:	11/02/2012
Case Number:	120-40-01
Name:	DOPECANAMIDE LAURAMIDE DEA (MACKAMIDE)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	209695
Update Date:	11/02/2012
Case Number:	27731-62-0
Name:	SODIUM MYRETH SULFATE STANDAPOL ES-40
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	209695
Update Date:	11/02/2012
Case Number:	2905-45-00
Name:	GLYCERING USP
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Violations Active Permits:

Facility Id:	209695
Update Date:	11/02/2012

FACILITY 13600 TANK #2 (Continued) **S104746546**

Inspection Date:	03/19/2009
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

CHMIRS:

OES Incident Number:	2-1011
OES notification:	02/22/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	City of Vista
Incident Date:	2/21/200212:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Reclaimed Water

FACILITY 13600 TANK #2 (Continued) **S104746546**

Gallons:	27000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A contractor hit and damaged pipe. All but 500 gallons was recovered.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	2749

86
SSE
1/4-1/2
0.429 mi.
2263 ft.

Relative:
Lower

Actual:
202 ft.

PACIFIC RECORDERS & ENGINEERIN **CA SAN DIEGO CO. SAM** **S108407171**
2080 LAS PALMAS DR **CA SLIC** **N/A**
CARLSBAD, CA 92009

SAN DIEGO CO. SAM:

Case Number:	H23257-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	10/4/1993
Date Began:	1/20/1990

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/04/1993
Global Id:	T0608102522
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H23257-001
Latitude:	33.117607
Longitude:	-117.275068
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Not reported

PACIFIC RECORDERS & ENGINEERIN (Continued) **S108407171**

Site History: Not reported

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

87
NNE
1/4-1/2
0.449 mi.
2371 ft.

Relative:
Higher

Actual:
318 ft.

DANIELS CABLEVISION INC **CA LUST** **S100727310**
5720 EL CAMINO REAL **CA SAN DIEGO CO. SAM** **N/A**
CARLSBAD, CA 92008 **CA SLIC**
CA San Diego Co. HMMD
CA SWEEPS UST
CA HAZNET
CA HIST CORTESE

LUST:

Region:	STATE
Global Id:	T0607302242
Latitude:	33.137336
Longitude:	-117.273367
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/15/1995
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3478
LOC Case Number:	H06321-002
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

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

Status History:

Global Id:	T0607302242
Status:	Completed - Case Closed
Status Date:	05/15/1995
Global Id:	T0607302242
Status:	Open - Case Begin Date
Status Date:	11/02/1994

Regulatory Activities:

Global Id:	T0607302242
Action Type:	Other
Date:	11/02/1994
Action:	Leak Began
Global Id:	T0607302242
Action Type:	ENFORCEMENT
Date:	12/21/1994
Action:	Notice of Responsibility
Global Id:	T0607302242
Action Type:	Other
Date:	11/02/1994
Action:	Leak Discovery
Global Id:	T0607302242

DANIELS CABLEVISION INC (Continued) **S100727310**

Action Type: Other
Date: 11/02/1994
Action: Leak Reported

Global Id: T0607302242
Action Type: Other
Date: 11/02/1994
Action: Leak Stopped

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT3478
Local Case: H06321-002
Substance: Gasoline
Qty Leaked: 0
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: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 11/02/1994
Date Stopped: 11/02/1994
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 11/29/1994
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 11/02/1994
Enforce Date: 12/21/94
Closed Date: 5/15/95
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 904.31
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H06321-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 1/28/1993

DANIELS CABLEVISION INC (Continued) **S100727310**

Date Began: 10/22/1991

Case Number: H06321-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/15/1995
Date Began: 11/2/1994

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 01/28/1993
Global Id: T0608178362
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H06321-001
Latitude: 33.137281
Longitude: -117.273222
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

SAN DIEGO CO. HMMD:
Facility Id: 208073
Business Type: 6HK52
EPA Id Number: Not reported
APN: 209-041-29-00
Last HMMD Inspection: 06/26/2012
Permit Status: OPEN
Permit Expiration: 09/30/2013
Facility Owner: TIME WARNER CABLE INC
Facility Address: 10450 PACIFIC CENTER CT
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92121
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 208073
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: PETROLEUM HYDROCARBON
Other Information: DIESEL FUEL #2 (420G, 250G, & 169G AST)

DANIELS CABLEVISION INC (Continued) **S100727310**

Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 208073
Update Date: 11/02/2012
Case Number: Not reported
Name: LEAD ACID BATTERIES
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 208073
Business Type: 6HK52
EPA Id Number: Not reported
APN: 209-041-29-00
Last HMMD Inspection: 06/26/2012
Permit Status: OPEN
Permit Expiration: 09/30/2013
Facility Owner: TIME WARNER CABLE INC
Facility Address: 10450 PACIFIC CENTER CT
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92121
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: N
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 208073
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: PETROLEUM HYDROCARBON
Other Information: DIESEL FUEL #2 (420G, 250G, & 169G AST)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 208073
Update Date: 11/02/2012
Case Number: Not reported
Name: LEAD ACID BATTERIES
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 106321
Business Type: Not reported
EPA Id Number: Not reported
APN: 209-041-29-00

DANIELS CABLEVISION INC (Continued) **S100727310**

Last HMMD Inspection:	02/28/1995
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	DANIELS CABLEVISION INC
Handle Regulated Hazmat:	Not reported
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

UST:

UST Name:	UNDERGROUND TANK 106321 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	106321
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-02-11 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 106321 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	106321
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-02-11 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

SWEEPS UST:

Status:	Active
Comp Number:	6321
Number:	9
Board Of Equalization:	44-022361

DANIELS CABLEVISION INC (Continued) **S100727310**

Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-006321-000001
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Status: Active
Comp Number: 6321
Number: 9
Board Of Equalization: 44-022361
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-006321-000002
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HAZNET:
envid: S100727310
Year: 2013
GEPAID: CAC002743294
Contact: EZRA SILLAS
Telephone: 8586880123
Mailing Name: Not reported
Mailing Address: 2350 BALL DR
Mailing City,St,Zip: SAINT LOUIS, MO 631468604
Gen County: San Diego
TSD EPA ID: CAD981696420
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: 0.063
Cat Decode: Not reported
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3478

Count: 14 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARLSBAD	S112940473	PALOMAR AIRPORT CENTER	2160 2162 & 2178 PALOMAR AIRPO	92008	CA HAZNET
CARLSBAD	S106797703	ROBERTSON RANCH - PARCEL 1	EL CAMINO REAL & CALAVERA DR.	92008	CA ENVIROSTOR
CARLSBAD	S108407208	ROBERTSON RANCH - PARCEL 1	EL CAMINO REAL @ CALAVERA	92009	CA SAN DIEGO CO. SAM
CARLSBAD	S106070093	RUEBEN LOPEZ	E EL CAMINO REAL	92008	CA San Diego Co. HMMD
CARLSBAD	S100741387	TOM LOPEZ JR	E EL CAMINO REAL	92008	CA San Diego Co. HMMD
CARLSBAD	S118602900	PALOMAR AIRPORT CTR	MCLELLAN PALOMAR AIRPORT	92008	CA NPDES
CARLSBAD	S105539727	EMERALD RIDGE WEST-MAR VISTA	NONE PALOMAR AIRPORT RD	92008	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co. HMMD
CARLSBAD	S118602901	PALOMAR AIRPORT ROAD WIDENING	PALOMAR AIRPORT RD BTW PASEO D	92008	CA NPDES
CARLSBAD	S111215665	NORTH COASTAL PALOMAR AIRPORT LAND	PALOMAR AIRPORT ROAD	92008	CA NPDES
CARLSBAD	S114730794	NORTH COASTAL SLF/PALOMAR AIRPORT	PALOMAR AIRPORT RD		CA RGA LF
CARLSBAD	S105539846	LESLIE FARMS INC	PALOMAR AIRPORT RD	92008	CA San Diego Co. HMMD
CARLSBAD	S100741389	RUEBEN LOPEZ	E PALOMAR AIRPORT RD	92008	CA San Diego Co. HMMD
CARLSBAD	S105539726	EMERALD RIDGE EAST	PALOMAR AIRPORT RD	92009	CA SAN DIEGO CO. SAM, CA SLIC, CA San Diego Co. HMMD
CARLSBAD	S106064831	CARLSBAD RANCH UNIT 1 CT94-09	PALOMAR ARPT	92008	CA San Diego Co. HMMD

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
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: 11/13/2015
Date Data Arrived at EDR: 01/06/2016
Date Made Active in Reports: 05/20/2016
Number of Days to Update: 135

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2016
Next Scheduled EDR Contact: 10/17/2016
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: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/22/2016
Next Scheduled EDR Contact: 10/31/2016
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: 03/07/2016
Date Data Arrived at EDR: 04/05/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/22/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/27/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
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: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
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: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/12/2016
Next Scheduled EDR Contact: 11/28/2016
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: 05/09/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/31/2016
Next Scheduled EDR Contact: 12/12/2016
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: 05/09/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/31/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/28/2016
Date Data Arrived at EDR: 03/30/2016
Date Made Active in Reports: 05/20/2016
Number of Days to Update: 51

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/28/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

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

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 05/04/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
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: 05/02/2016
Date Data Arrived at EDR: 05/04/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
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: 05/16/2016
Date Data Arrived at EDR: 05/18/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 34

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/16/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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 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 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 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: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 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 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 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

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015
Date Data Arrived at EDR: 02/19/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 105

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
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: 10/09/2015
Date Data Arrived at EDR: 02/12/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 112

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
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: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

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: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

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: 10/27/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
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: 02/17/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
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: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/26/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Semi-Annually

SLIC: Statewide SLIC Cases
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
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: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 55
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

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: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/26/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 119

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
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: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/26/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Semi-Annually

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: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
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: 12/03/2015
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 120

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

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: 07/01/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 05/04/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Quarterly

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: 02/29/2016
Date Data Arrived at EDR: 03/07/2016
Date Made Active in Reports: 05/04/2016
Number of Days to Update: 58
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/15/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/21/2016
Date Data Arrived at EDR: 06/22/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 72
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 06/16/2016
Date Data Arrived at EDR: 06/16/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 54

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/10/2016
Next Scheduled EDR Contact: 11/28/2016
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: 08/05/2016
Next Scheduled EDR Contact: 11/14/2016
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: 07/20/2016
Next Scheduled EDR Contact: 10/07/2016
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/04/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 07/13/2016
Number of Days to Update: 40

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 05/04/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 05/10/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/15/2016
Next Scheduled EDR Contact: 10/24/2016
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: 05/04/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 07/13/2016
Number of Days to Update: 40

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2016
Next Scheduled EDR Contact: 12/12/2016
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: 06/07/2016
Date Data Arrived at EDR: 06/09/2016
Date Made Active in Reports: 06/23/2016
Number of Days to Update: 14

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/24/2016
Next Scheduled EDR Contact: 12/12/2016
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: 06/02/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 43

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/06/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 43

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/07/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/28/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/11/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 51

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/26/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
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: 06/21/2016
Date Data Arrived at EDR: 06/30/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 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: 09/09/2016
Next Scheduled EDR Contact: 12/19/2016
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: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
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: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/15/2016
Next Scheduled EDR Contact: 11/28/2016
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: 05/08/2016
Date Data Arrived at EDR: 05/18/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 107

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/08/2016
Next Scheduled EDR Contact: 11/21/2016
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: 09/06/2016
Next Scheduled EDR Contact: 11/21/2016
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: 06/24/2016
Next Scheduled EDR Contact: 10/03/2016
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: 08/26/2016
Next Scheduled EDR Contact: 12/05/2016
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: 07/25/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/09/2016
Next Scheduled EDR Contact: 12/19/2016
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: 05/01/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 99

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/25/2016
Next Scheduled EDR Contact: 11/07/2016
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: 08/12/2016
Next Scheduled EDR Contact: 11/21/2016
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: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
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: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
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: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 03/18/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 28

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/05/2016
Next Scheduled EDR Contact: 11/21/2016
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: 09/09/2016
Next Scheduled EDR Contact: 12/19/2016
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: 09/06/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2015
Date Data Arrived at EDR: 07/09/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 69
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
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: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 149

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/10/2016
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: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/26/2016
Next Scheduled EDR Contact: 12/05/2016
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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
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: 03/11/2016
Date Data Arrived at EDR: 03/15/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 80

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2016
Next Scheduled EDR Contact: 11/21/2016
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: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/09/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 04/07/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 148

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/08/2016
Next Scheduled EDR Contact: 10/17/2016
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: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/10/2016
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: 02/09/2016
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/01/2016
Next Scheduled EDR Contact: 12/12/2016
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: 09/02/2016
Next Scheduled EDR Contact: 12/12/2016
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: 09/02/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 55

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/07/2016
Next Scheduled EDR Contact: 12/19/2016
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: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/24/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 06/20/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Varies

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: 06/27/2016
Date Data Arrived at EDR: 06/28/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 51

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/28/2016
Next Scheduled EDR Contact: 10/10/2016
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: 06/02/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 37

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/19/2016
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: 06/22/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 48

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/03/2016
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: 05/25/2016
Date Data Arrived at EDR: 05/27/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 54

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/22/2016
Next Scheduled EDR Contact: 10/07/2016
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/20/2016
Next Scheduled EDR Contact: 10/07/2016
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 49

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/10/2016
Next Scheduled EDR Contact: 11/28/2016
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: 12/31/2014
Date Data Arrived at EDR: 10/14/2015
Date Made Active in Reports: 12/11/2015
Number of Days to Update: 58

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Annually

HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/23/2016
Date Data Arrived at EDR: 05/25/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 56
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/23/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/11/2016
Date Data Arrived at EDR: 07/13/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 36
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/13/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 43
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/07/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/16/2016
Date Data Arrived at EDR: 05/18/2016
Date Made Active in Reports: 06/23/2016
Number of Days to Update: 36
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/16/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 06/06/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 43
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/07/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/13/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 56
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

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

Date of Government Version: 09/10/2015
Date Data Arrived at EDR: 01/05/2016
Date Made Active in Reports: 02/12/2016
Number of Days to Update: 38
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/03/2016
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: 02/12/2016
Date Data Arrived at EDR: 03/16/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 89
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/16/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
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: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/24/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Varies

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/23/2016
Date Data Arrived at EDR: 05/25/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 56

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/23/2016
Next Scheduled EDR Contact: 12/05/2016
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: 09/20/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 103

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/24/2016
Date Data Arrived at EDR: 05/25/2016
Date Made Active in Reports: 07/13/2016
Number of Days to Update: 49

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/23/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

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 Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 07/07/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 37

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/07/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 27

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List
Cupa Facility List

Date of Government Version: 06/06/2016
Date Data Arrived at EDR: 06/09/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 12

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 18

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 04/29/2016
Date Data Arrived at EDR: 05/03/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 45

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/27/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 22

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 09/06/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/24/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 55

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/01/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 04/08/2016
Date Data Arrived at EDR: 05/03/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 50

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/24/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 75

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/13/2016
Date Data Arrived at EDR: 07/19/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 21

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/13/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/08/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 41

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/22/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 04/26/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 50

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/20/2016
Next Scheduled EDR Contact: 10/07/2016
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/16/2016
Date Data Arrived at EDR: 05/20/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 80

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 05/27/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 26

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 04/26/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 51

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 08/19/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 06/15/2016
Next Scheduled EDR Contact: 07/04/2016
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/05/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 37
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/18/2016
Date Data Arrived at EDR: 04/20/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 42
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/19/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/18/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/13/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/13/2016
Next Scheduled EDR Contact: 10/31/2016
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: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/17/2015
Number of Days to Update: 34
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/25/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/23/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 28
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/24/2016
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: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 67

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 04/07/2016
Date Data Arrived at EDR: 04/26/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 36

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 06/15/2016
Date Data Arrived at EDR: 06/20/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 59

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 21

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/24/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 08/22/2016
Next Scheduled EDR Contact: 12/05/2016
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: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 04/18/2016
Date Data Arrived at EDR: 05/06/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 42
Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/17/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 35
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/08/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/17/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 35
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/08/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/11/2016
Date Made Active in Reports: 06/01/2016
Number of Days to Update: 21
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/09/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/16/2016
Date Data Arrived at EDR: 06/20/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 50
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/13/2016
Date Data Arrived at EDR: 04/15/2016
Date Made Active in Reports: 05/09/2016
Number of Days to Update: 24
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/20/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/13/2016
Date Data Arrived at EDR: 07/18/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 21
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/20/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 07/06/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 43
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/06/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/02/2016
Date Data Arrived at EDR: 07/06/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 43
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/05/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/10/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 40

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/08/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/02/2016
Next Scheduled EDR Contact: 09/19/2016
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: 07/20/2016
Next Scheduled EDR Contact: 10/07/2016
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: 09/02/2016
Next Scheduled EDR Contact: 12/19/2016
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: 08/03/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/21/2016
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: 06/16/2016
Date Data Arrived at EDR: 06/20/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 49

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/15/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/23/2016
Date Data Arrived at EDR: 05/24/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 28

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
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: 06/02/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 05/27/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 57

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/08/2016
Next Scheduled EDR Contact: 09/26/2016
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: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 05/25/2016
Date Data Arrived at EDR: 05/26/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
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: 08/24/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/26/2016
Date Data Arrived at EDR: 06/01/2016
Date Made Active in Reports: 07/20/2016
Number of Days to Update: 49

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 05/31/2016
Date Data Arrived at EDR: 06/02/2016
Date Made Active in Reports: 06/21/2016
Number of Days to Update: 19

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/14/2016
Date Data Arrived at EDR: 06/16/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 54

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/22/2016
Next Scheduled EDR Contact: 12/05/2016
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: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 57

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/08/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/14/2016
Date Made Active in Reports: 08/08/2016
Number of Days to Update: 55

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/08/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 07/10/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 28

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/01/2016
Date Data Arrived at EDR: 07/05/2016
Date Made Active in Reports: 08/18/2016
Number of Days to Update: 44

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/24/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/07/2016
Date Made Active in Reports: 06/23/2016
Number of Days to Update: 16

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 05/03/2016
Date Data Arrived at EDR: 05/10/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 38

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 10/07/2016
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: 03/28/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 49

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/25/2016
Next Scheduled EDR Contact: 11/07/2016
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: 06/28/2016
Next Scheduled EDR Contact: 10/17/2016
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: 08/10/2016
Next Scheduled EDR Contact: 11/28/2016
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: 03/28/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/22/2016
Number of Days to Update: 54

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/25/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2016
Date Data Arrived at EDR: 06/16/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 54

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/16/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 07/05/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 35

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 04/29/2016
Date Data Arrived at EDR: 05/03/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 45

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/27/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/10/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/11/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2016
Date Data Arrived at EDR: 08/03/2016
Date Made Active in Reports: 09/09/2016
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2016
Next Scheduled EDR Contact: 10/31/2016
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: 08/22/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/13/2016
Next Scheduled EDR Contact: 09/26/2016
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
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.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MCCLELLAN-PALOMAR AIRPORT
2501 PALOMAR AIRPORT RD
CARLSBAD, CA 92008

TARGET PROPERTY COORDINATES

Latitude (North):	33.127667 - 33° 7' 39.60''
Longitude (West):	117.279004 - 117° 16' 44.41''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	473973.6
UTM Y (Meters):	3665283.2
Elevation:	311 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5641318 SAN LUIS REY, CA
Version Date:	2012
Northeast Map:	5641320 SAN MARCOS, CA
Version Date:	2012
Southeast Map:	5641310 RANCHO SANTA FE, CA
Version Date:	2012
Southwest Map:	5641296 ENCINITAS, 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).

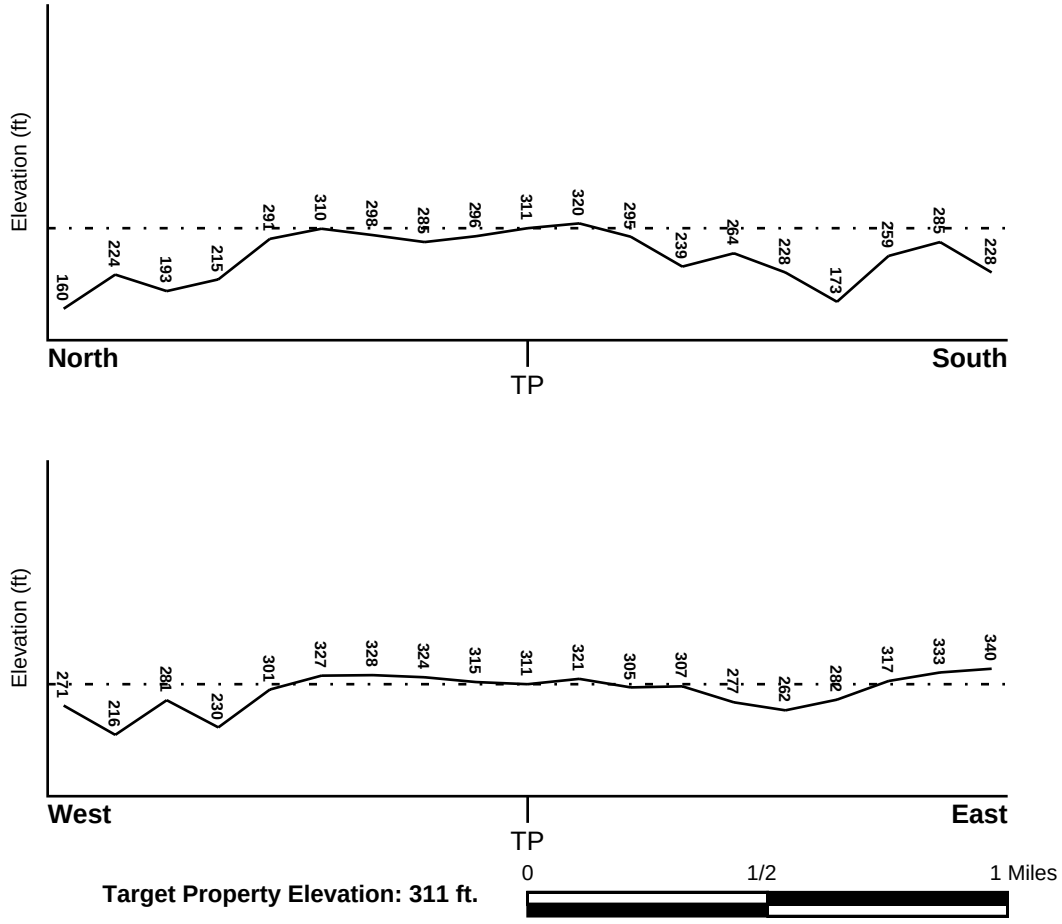
TOPOGRAPHIC INFORMATION

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 East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 311 ft.

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

Target Property County	FEMA Flood Electronic Data
SAN DIEGO, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06073C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SAN LUIS REY	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
A1	1/8 - 1/4 Mile ESE	Not Reported
A2	1/4 - 1/2 Mile ESE	SW
3	1/4 - 1/2 Mile South	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

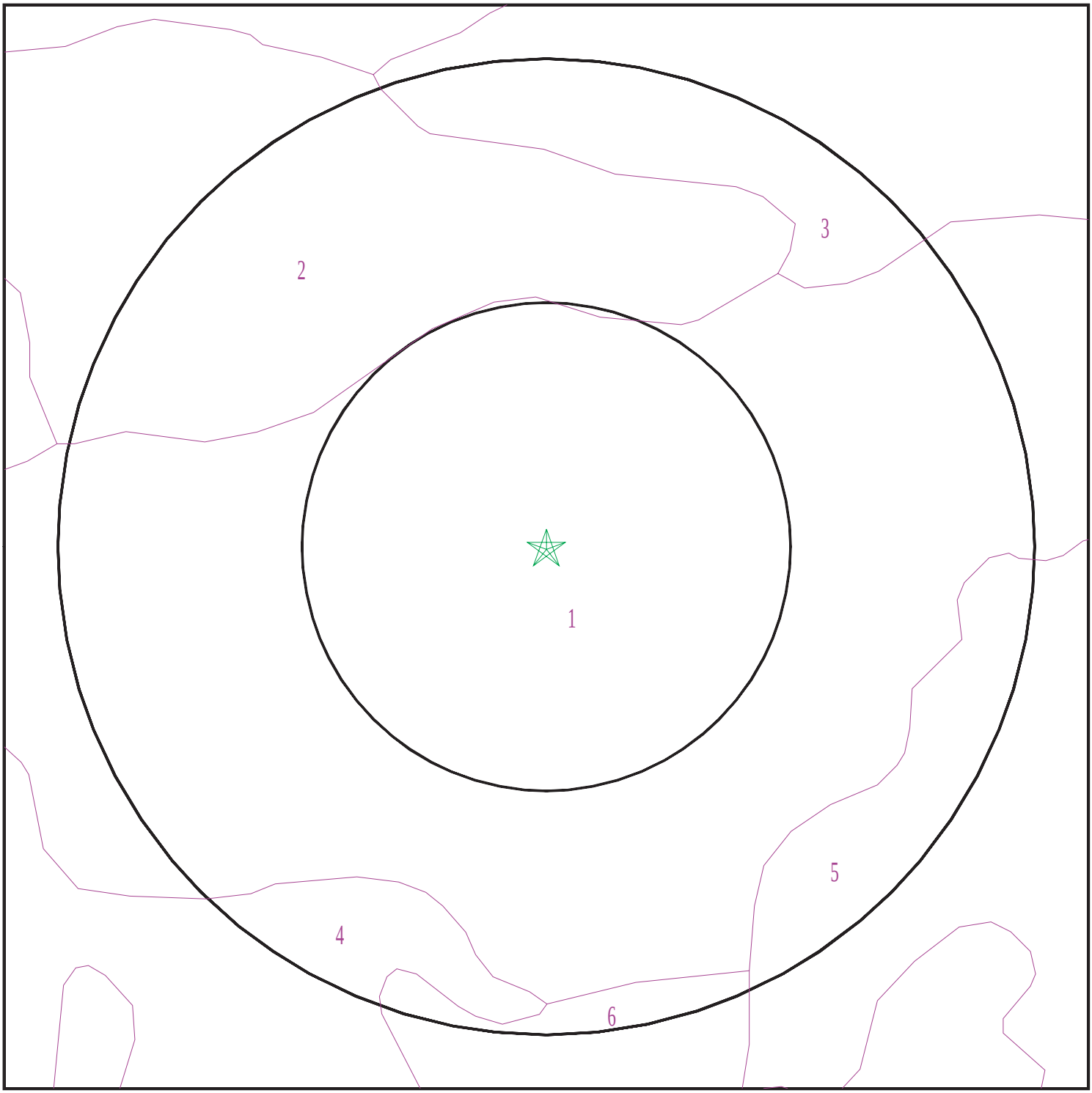
Era:	Cenozoic
System:	Tertiary
Series:	Eocene
Code:	Te *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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 - 4724566.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	McClellan-Palomar Airport	CLIENT:	Ninyo & Moore
ADDRESS:	2501 PALOMAR AIRPORT RD Carlsbad CA 92008	CONTACT:	Brianne Cortright
LAT/LONG:	33.127667 / 117.279004	INQUIRY #:	4724566.2s
		DATE:	September 12, 2016 2:51 pm

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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: HUERHUERO

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	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: 5.1
2	11 inches	55 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: 0.42 Min: 0.01	Max: 8.4 Min: 7.4
3	55 inches	72 inches	stratified sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 2

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
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:

Soil Map ID: 3

Soil Component Name: HUERHUERO

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially 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	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 5.1
2	11 inches	55 inches	clay loam	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: 0.42 Min: 0.01	Max: 8.4 Min: 7.4
3	55 inches	72 inches	stratified sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 4

Soil Component Name: HUERHUERO

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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		
1	0 inches	11 inches	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: 5.1
2	11 inches	55 inches	clay loam	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: 0.42 Min: 0.01	Max: 8.4 Min: 7.4
3	55 inches	72 inches	stratified sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 5

Soil Component Name: LOAMY ALLUVIAL LAND

Soil Surface Texture: variable

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

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	59 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 6

Soil Component Name: HUERHUERO

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	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	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: 5.1
2	9 inches	50 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: 0.42 Min: 0.01	Max: 8.4 Min: 7.4

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		
3	50 inches	59 inches	stratified sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

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 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

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

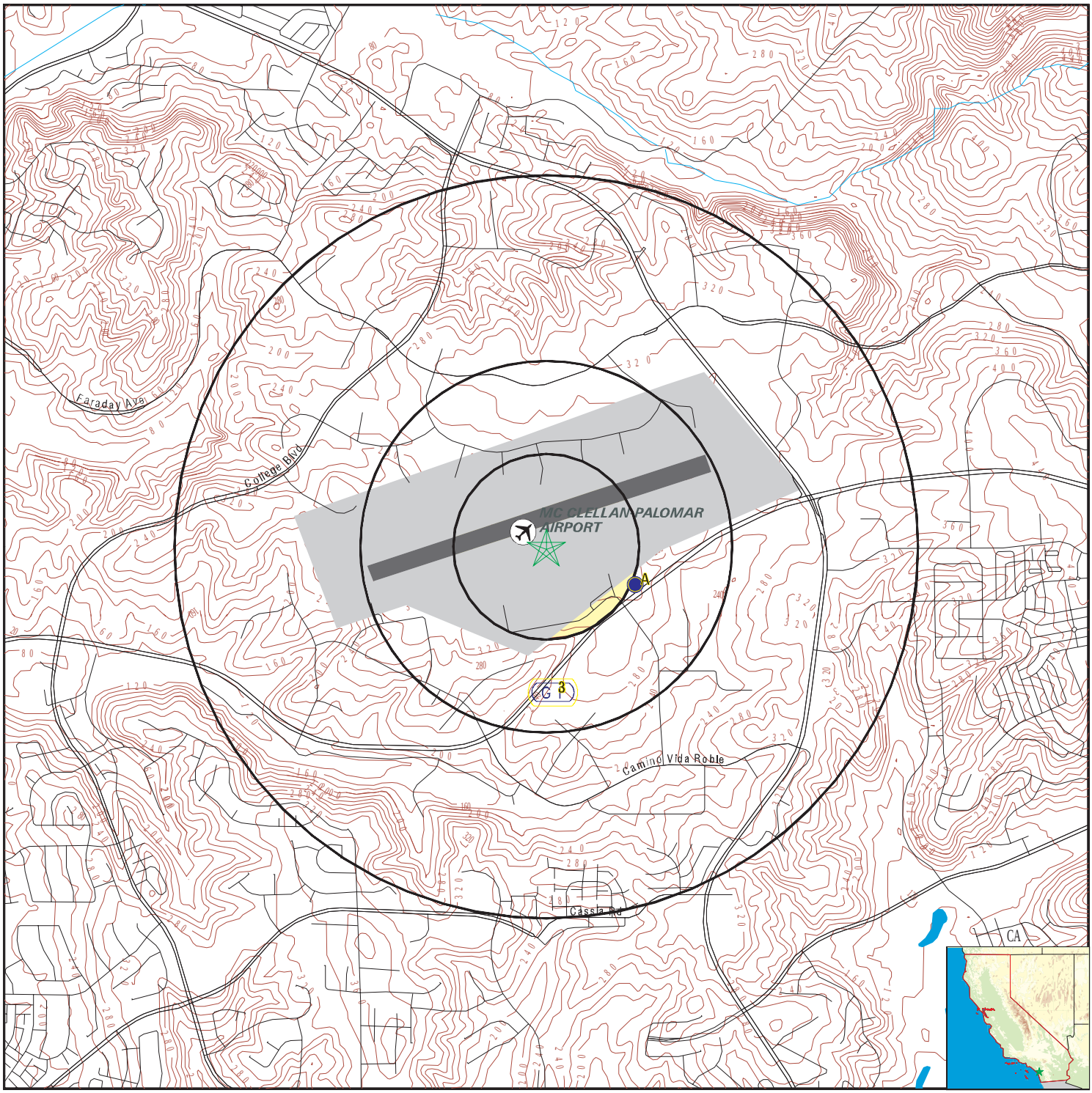
MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 4724566.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	McClellan-Palomar Airport	CLIENT:	Ninyo & Moore
ADDRESS:	2501 PALOMAR AIRPORT RD Carlsbad CA 92008	CONTACT:	Brianne Cortright
LAT/LONG:	33.127667 / 117.279004	INQUIRY #:	4724566.2s
		DATE:	September 12, 2016 2:51 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
A1 **ESE** **1/8 - 1/4 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT2041 Not Reported 30 100 Not Reported 05/06/1992	**AQUIFLOW**	**26705**
A2 **ESE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT846 SW 50 75 Not Reported 04/09/1993	**AQUIFLOW**	**26684**
3 **South** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT110 Not Reported Not Reported 60 Not Reported 10/03/1986	**AQUIFLOW**	**26676**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92008	35	1

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 Zip Code: 92008

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

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

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APPENDIX D

REGULATORY DOCUMENTATION

Palomar Airport Landfill

APRIL - SEPTEMBER 2005 SEMI-ANNUAL MONITORING REPORT PALOMAR AIRPORT LANDFILL

prepared by

GEOSYNTEC CONSULTANTS

APRIL – SEPTEMBER 2005
SEMI-ANNUAL MONITORING REPORT
PALOMAR AIRPORT LANDFILL
CARLSBAD, CALIFORNIA

PREPARED FOR

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Landfill Management
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October 2005

APRIL – SEPTEMBER 2005
SEMI-ANNUAL MONITORING REPORT
PALOMAR AIRPORT LANDFILL
CARLSBAD, CALIFORNIA

I certify that this document and all attachments presented in this report are accurate and complete. This report was prepared by the staff of GeoSyntec Consultants under my supervision to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who are directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. No attempt has been made to verify the accuracy of the Site Maintenance Reports provided by Landfill Management.

Brian Hitchens
Professional Geologist No. 7593

10/20/05
Date



RECYCLED AND RECYCLABLE

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1. INTRODUCTION

1.1 Terms of Reference

This report documents the results of the April through September 2005 semi-annual monitoring for the Detection Monitoring Program (DMP) at the Palomar Airport Landfill. This report was prepared by GeoSyntec Consultants (GeoSyntec) for the County of San Diego, Department of Public Works, Landfill Management (County) to comply with the waste discharge requirements (WDRs) for post-closure maintenance established by the California Regional Water Quality Control Board (RWQCB), San Diego Region, in Order No. 96-13 [RWQCB, 1996], and Addendum No. 1 to Order No 96-13 [RWQCB, 2001]. This report was prepared by Mr. Brian Hitchens P.G. and CHg, and reviewed by Mr. Veryl Wittig, P.G., C.Hg., and Mr. Sam Williams, P.G., C.Hg., of GeoSyntec, in accordance with GeoSyntec's internal review policy. This report was also reviewed by Mr. Barry Pulver, P.G., C.Hg., C.E.G. of the County.

1.2 Overview and Purpose

The Palomar Airport Landfill (site) is an inactive Class III municipal solid waste landfill located in the City of Carlsbad, San Diego County (Figure 1-1). The site is monitored semi-annually in compliance with Order No. 96-13, which requires landfill operators to submit semi-annual detection monitoring reports to the RWQCB on 30 April and 30 October of each year. The previous semi-annual detection monitoring report for the site, which covered the period from October 2004 through March 2005, was submitted to the RWQCB in April 2005 [GeoSyntec, 2005a]. This report contains procedures and results of the semi-annual groundwater monitoring activities performed at the site in compliance with Monitoring and Reporting Program (MRP) No. 96-13.

1.3 Report Organization

The remainder of this report is organized as follows:

- Section 2, "Site Background," contains site background information including: site location, usage and capacity; site characteristics including geology and hydrogeology, and site maintenance;

- Section 3, "Groundwater Monitoring," contains a description of the monitoring system, monitoring parameters, groundwater elevation and flow direction, and the current semi-annual groundwater and subdrain analytical results (elevation and analytical);
- Section 4, "References," contains a list of references used in the preparation of this report;
- Appendix A contains groundwater sampling and laboratory testing procedures;
- Appendix B contains the groundwater sample collection logs from the current sampling event;
- Appendix C contains the laboratory analytical certificates; and
- Appendix D contains site maintenance reports.

Tables, figures, and appendices are presented at the end of the report. The following table contains a list of the components in this report required by the corresponding sections from MRP No. 96-13:

Required Submittal	Required Frequency	Location in this Report
E.1 Transmittal letter	Semi-annually	Cover letter
E.2.a Site maintenance	Semi-annually	Section 2.5 and Appendix E
E.2.b Groundwater flow direction and gradient	Semi-annually	Section 3.4 and Figures 2-2 and 2-3
E.2.c Map of monitoring locations	Semi-annually	Figure 2-1
E.3.a Graphical presentation of analytical data	Annually	--
E.3.b Compliance record discussion	Annually	--
E.3.c Summary of changes	Annually	--
E.3.d Map showing direction of groundwater flow at the site	Annually	--

1.4 Response to Regulatory Comments

No comments have been received since the previous report.

2. SITE BACKGROUND

This section presents site background information including: site location, usage and capacity; site characteristics including geology and hydrogeology; compliance record; interim corrective actions; and site maintenance. Much of the information below is summarized from the *Palomar Airport Landfill, Carlsbad California, Water-Quality Solid Waste Assessment Test Report* [Metcalf & Eddy Inc, 1993] and from monitoring reports prepared by IT and GeoSyntec for the County from 1993 to the present.

2.1 Site Location and Use

The site is located along the south and east sides of McClellan-Palomar Airport, approximately three miles east of Interstate 5 in the City of Carlsbad (Figure 1-1). The landfill, situated atop a terrace, is divided into three separate fill areas designated Unit 1, Unit 2, and Unit 3 (Figure 2-1). The units are valley-fill-type landfills that fill the heads of small south-trending natural drainages.

Unit 1 covers approximately 9 acres and contains approximately 214,000 cubic yards of waste that was deposited between 1962 and 1968. Unit 2 covers approximately 5 acres and contains approximately 195,000 cubic yards of waste that was deposited between 1968 and 1972. Unit 3 covers approximately 19 acres and contains approximately 697,000 cubic yards of waste that was deposited between 1972 and 1975.

The site operated as a Class II (Class III under current regulations) solid waste disposal facility. The landfill accepted residential, commercial and agricultural waste. On occasion, industrial waste such as paint, oils and thinners, treated sewage sludge, and medical wastes were reportedly accepted. The landfill was owned and operated by San Diego County, Department of Public Works.

The landfill was constructed without a liner, and does not have a leachate collection or removal system. Other than the groundwater monitor wells, no leak detection system has been installed at the landfill. The landfill gas extraction system at the site consists of an extraction well field at each unit and a flare station. The landfill is covered with soil fill ranging from 2 to 7 feet in thickness, and is additionally covered with asphalt-concrete paving over most of Units 1 and 2. The paved areas overlying Units 1 and 2 are classified as light industrial and used for airplane parking/storage. Local land use consists of a regional airport, residential, commercial, agricultural, and

open space. Several airplane hangars consisting of light metal structures have been constructed at the site. Unit 3 is located in an unpaved area at the east end of the airport.

2.2 Geology and Hydrogeology

The site is located in the Peninsular Range geomorphic province, at elevations ranging from approximately 270 to 320 feet above mean sea level (msl). The landfill is underlain by Tertiary-age Santiago Formation, consisting of interbedded coarse-grained marine sandstone and claystone. The Santiago Formation is underlain by marine sedimentary rocks of the Cretaceous-age Point Loma Formation, intrusive rocks associated with the Cretaceous-age Southern California Batholith, and metamorphosed volcanic rocks of the Jurassic-age Santiago Peak Volcanics. The three landfill units were placed within existing drainages, atop colluvial and alluvial deposits and the Santiago Formation (Kennedy and Peterson, 1975).

The site is located in the Encinas Hydrologic Area (4.40) of the Carlsbad Hydrologic Unit [RWQCB, 1998]. The groundwater within the Encinas Hydrologic Area has been designated as having no beneficial use and is regulated under resolution 68-16 (RWQCB, 1998). Perched groundwater beneath the site generally occurs within the low permeability silt, clay and sand of the Santiago Formation. A deep aquifer is present within the lower portions of the Point Loma Formation and in the Santiago Peak volcanics and is the primary continuous groundwater zone encountered beneath the site. In the case of Unit 1 and possibly Unit 2, the perched groundwater unit intersects the waste fill, such that the waste fill is, in places, below the water table. Historically perched groundwater elevations have ranged from a high of approximately 312 feet above msl to a low of approximately 225 feet msl, and deep groundwater elevations have ranged from a high of approximately 228 feet above msl to a low of approximately 117 feet msl (Table 2-1). Deep groundwater elevations have been rising at a rate of approximately 3.2 feet per year beneath Unit 3 and 2.5 feet per year beneath Unit 2.

Perched groundwater generally flows south-southeast beneath the site, although groundwater may be discontinuous in the perched aquifer in the area north of Unit 3 (Figure 2-2). Deep groundwater flows west to northwest beneath Units 2 and 3 and northwest beneath Unit 1 (Figure 2-3).

2.3 Site Maintenance

Appendix D presents the results of inspections conducted by County personnel at the Palomar Airport Landfill, and information on site conditions and maintenance activities during the current monitoring period.

A landfill-fire was reported on 24 September, 2005 after steam was observed to be venting out of several gas-extraction wells. Moore and Taber mobilized to the site on September 29th, and initiated grout injection into the affected area on October 1st. By October 19th, temperatures at the center point of the well had fallen to 174°F from a maximum of approximately 220 °F. Temperatures continue to fall at a rate of approximately 4 °F per day as grouting continues. As of October 19th, approximately 402 cubic yards of grout have been introduced into the affected area of Unit 2.

3. GROUNDWATER MONITORING

3.1 General

This section describes the groundwater monitoring program at the Palomar Airport Landfill and presents the results of groundwater monitoring activities conducted during the April through September 2005 semi-annual monitoring period. The monitoring activities conducted during this period consisted of the following:

- Measuring depth to groundwater in 24 monitor wells;
- Collecting groundwater samples from 21 monitor wells (2 monitor wells were dry and one did not contain enough water for a sample);
- Collecting a water sample from the subdrain sump downgradient of Unit 1;
- Recording totalizer readings from the subdrain sump downgradient of Unit 1, infiltration trench, and sewer;
- Analyzing groundwater and subdrain sump water samples; and
- Evaluating laboratory analytical data, and preparing this report.

Groundwater monitoring and sample collection were performed by BBC Environmental, a subcontractor to GeoSyntec. Collection of water samples from the subdrain sump downgradient of Unit 1 and operation and maintenance of the infiltration trench were performed by GeoSyntec personnel. Analyses were performed at Calscience Laboratories in Garden Grove, California. A description of the groundwater sampling and laboratory testing procedures is included in Appendix A. According to the EMP Work Plan, site-specific water quality protection standards (WQPSs) concentration limits for general chemistry constituents and metals specified in the MRP will be established for the Palomar Airport Landfill following the installation and sampling of the background monitoring wells [GeoSyntec, 2000]. Between 1998 and 2000, WQPSs were re-calculated for Bonsall, Poway, Otay, and Jamacha landfills and submitted for RWQCB approval. The RWQCB had not responded as of September 2005. WQPSs will be calculated for the Palomar Airport Landfill when the County has received notice from the RWQCB that the method used to calculate these WQPSs are acceptable. In the interim, groundwater monitoring results are compared to Basin Plan Water Quality Objectives (WQOs), State and Federal Maximum Contaminant Levels (MCLs) for drinking water and other water quality standards (Table 3-1).

3.2 Groundwater Monitoring System

The groundwater monitoring system consists of 24 monitor wells located near the three landfill units at the site (Figure 2-1). Monitor well MW-27 was installed in June 2004 to further delineate Unit 2 off site impacts. Monitor well MW-10 was destroyed in July 2004 as a result of construction activities north of Unit 1 and monitor well MW-28 was installed as a replacement well, approximately 40 feet west of the former location of MW-10. The following table summarizes the current monitor well network for each of the landfill units:

Well Name	Rationale
Unit 1	
MW-2	Perched downgradient well
MW-11	Perched downgradient well
MW-13	Perched cross-gradient well
MW-19	Deep upgradient well
MW-21	Deep downgradient well
MW-23	Deep cross-gradient well (dry)
MW-24	Perched downgradient well
MW-26	Deep cross-gradient well
MW-28	Perched upgradient well
Unit 2	
MW-8	Perched downgradient well
MW-12	Perched downgradient well
MW-15	Deep upgradient well
MW-18	Perched upgradient well
MW-25	Perched downgradient well
MW-27	Perched downgradient well
Unit 3	
MW-6	Deep cross-gradient well
MW-7	Perched downgradient well
MW-9	Deep cross-gradient well
MW-14	Perched upgradient well
MW-16	Perched downgradient well
MW-17	Deep downgradient well (dry)
MW-20	Perched upgradient well
MW-22	Deep downgradient well
MW-29	Perched downgradient well

3.3 Monitoring Parameters

The site is monitored according to Section C.7 of MRP No. 96-13. The monitoring program is summarized as follows:

Parameter	Regulation
Chloride	MRP 96-13
Nitrate as nitrogen	MRP 96-13
Field pH	MRP 96-13
Sulfate	MRP 96-13
Total Dissolved Solids (TDS)	MRP 96-13
Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, zinc	MRP 96-13
Volatile Organic Compounds (VOCs)	MRP 96-13
Chemical Oxygen Demand (COD)	Optional
Bicarbonate, carbonate	Optional
Calcium, potassium, sodium	Optional

Carbonate, bicarbonate, chemical oxygen demand (COD), calcium, potassium, and sodium were voluntarily added to the list of monitoring parameters in order to evaluate groundwater geochemistry as part of the EMP investigation.

During the third quarter 2005 monitoring event the subdrain sump sample was voluntarily analyzed for the same constituents as samples collected from the groundwater monitor wells.

3.4 Groundwater Elevation and Flow Direction

Groundwater levels were measured in site monitor wells on 4 August 2005 (Table 2-1). No floating immiscible layers were detected in the site monitor wells. Based on the third quarter 2005 groundwater measurements, perched groundwater beneath Unit 1 flows south at approximately 0.06 feet per foot (ft/ft) (Figure 2-2). Groundwater flows generally to the southeast at approximately 0.05 ft/ft beneath Unit 2. Groundwater gradient varies across Unit 3 from 0.03 to 0.06 ft/ft. Perched groundwater elevations appear relatively stable beneath the site.

Deep groundwater flow is westerly beneath the eastern portion of the site at an approximate hydraulic gradient of 0.03 ft/ft beneath Unit 3 to 0.07 ft/ft beneath Unit 2, shifting to northwesterly at a gradient of approximately 0.07 ft/ft beneath Unit 1 in the

western portion of the site (Figure 2-3). In the deep aquifer, groundwater elevations appear to be increasing in all wells except monitor well MW-17 which is currently dry (Figure 3-2).

3.5 Groundwater Analytical Results

Groundwater samples were collected from 21 monitor wells during the period from 4 to 5 August 2005. Monitor wells MW-17 and MW-23 were dry; therefore, no samples were collected. Monitor well MW-14 did not contain enough water to yield a sample. Groundwater analytical results for the current sampling event are summarized in Table 3-2. Analytical results for the sample collected from the subdrain sump on 15 August 2005 are summarized in Table 3-3. Results are compared to basin plan WQOs for the Encinas Hydrologic Area (4.40). Groundwater sample collection logs are included in Appendix B. Analytical certificates for the current monitoring period are included in Appendix C.

3.5.1 Unit 1 Groundwater Quality

The following general chemistry parameters and metals were reported to exceed WQOs in groundwater samples collected from Unit 1 monitor wells during the third quarter 2005 monitoring event.

	Concentration (milligrams per liter)								
	WQO	MW-2	MW-11	MW-13	MW-19 (d)	MW-21 (d)	MW-24	MW-26 (d)	MW-28
General Chemistry									
Chloride	800	4,300	5,100	13,000	2,900	1,400	2,700	1,500	13,000
pH[1]	6.0-9.0	-	-	-	-	-	-	-	5.6
Sulfate	500	1,700	2,400	2,600	1,900	1,600	2,400	1,400	2,100
TDS	3,500	9,600	11,000	19,000	6,900	4,200	7,400	-	12,000
Metals									
Iron	0.3	201	13.4	-	-	-	1.83	-	-
Manganese	0.05	6.27	15.6	0.285	0.447	0.577	20.4	0.0538	14
Sodium[2]	60%	-	-	-	-	75 %	-	-	-

- Reported concentration does not exceed Water Quality Objective (WQO)

(d) Deep monitor well

1 - pH reported in pH units

2 - As required by WDR Order No. 96-13 % Sodium is calculated as follows (Na / Na + Ca + Mg + K) * 100%

The following VOCs were reported in Unit 1 monitor wells during the third quarter 2005 monitoring event.

		Concentration (micrograms per liter)			
Parameter	**MCLs**	**MW-2**	**MW-11**	**MW-24**	**MW-28**
Acetone	NE	-	7.3 J	-	-
Benzene	1.0	**3.4**	**1.8**	-	**8.9**
sec-Butylbenzene	260[1]	0.89 J	-	-	-
Chlorobenzene	70	2.3	0.4 J	-	-
Chloroform	100[2]	-	0.28 J	-	0.58 J
1,2-Dichlorobenzene	600	2.5	0.69 J	-	-
1,4-Dichlorobenzene	5.0	**42**	2.9	-	-
1,1-Dichloroethane	5.0	-	0.58 J	-	2.1
1,1-Dichloroethene	6.0	0.55 J	0.42 J	-	0.37 J
1,2-Dichloroethane	0.5	-	-	-	**1.2**
Dichlorodifluoromethane	6000[1]	-	6.8	-	8.7
cis-1,2-Dichloroethene	6.0	**41**	**88**	-	5.2
trans-1,2-Dichloroethene	10.0	0.79 J	4.1	-	1.4
Ethylbenzene	300	0.19 J	-	-	0.71 J
Isopropylbenzene	770[1]	0.51 J	-	-	0.31 J
Methylene chloride	5.0	-	**8.2 J**	-	-
MTBE	13.0	-	-	0.5 J	-
Tetrachloroethene	5.0	-	**16**	-	**12**
Toluene	15.0	-	-	-	**70**
Trichloroethene	5.0	3.5	**34**	-	**12**
Vinyl Chloride	0.5	**1.7**	**3.8**	-	**1.9**
Xylenes	1,750	-	-	-	1.1

1-DHS Notification Level

2- For total trihalomethanes (sum of bromoform, bromodichloromethane, chloroform, and dibromochloromethane)

Bolded values exceed MCL or Notification level

MCL- State or Federal Maximum Contaminant Level

- Constituent was not detected at a concentration greater than the MDL

(d) Deep monitor well

J – Estimated concentration detected between the RL and the MDL

NE- None established

3.5.2 Unit 2 Groundwater Quality

The following general chemistry parameters and metals were reported in groundwater samples collected from Unit 2 monitor wells at concentrations exceeding the WQOs during the third quarter 2005 monitoring event.

Parameter	Concentration (milligrams per liter)						
	WQOs	MW-8	MW-12	MW-15 (d)	MW-18	MW-25	MW-27
General Chemistry							
Chloride	800	11,000	5,700	2,200	10,000	6,200	13,000
pH[1]	6.0-9.0	5.7	3.3	-	-	-	-
Sulfate	500	2,900	7,800	2,000	3,000	3,500	1,400
TDS	3,500	19,000	16,000	4,900	13,000	14,000	18,000
Metals							
Iron	0.3	11.9	24.4	-	16.8	0.505	-
Manganese	0.05	20.9	-	0.299	5.98	24.1	38.3
Sodium[2]	60 %	-	-	-	60 %	-	-

- Reported concentration does not exceed WQO

(d) Deep monitor well

1 - pH reported in pH units

2 - As required by WDR Order No. 96-13 % Sodium is calculated as follows (Na / Na + Ca + Mg + K) * 100%

The following VOCs were reported in groundwater samples collected from Unit 2 monitor wells during the third quarter 2005 monitoring event:

Parameter	Concentration (micrograms per liter)				
	MCLs	MW-8	MW-12	MW-18	MW-25
Acetone	NE	-	-	-	10
Benzene	1.0	**1.4**	0.28 J	**1.3**	**6.6**
Chloroform	100[1]	-	0.24 J	-	0.39 J
1,1-Dichloroethane	5.0	4	-	1.3	**9.1**
1,1-Dichloroethene	6.0	-	-	0.43 J	0.47 J
1,2-Dichloroethane	0.5	0.3 J	-	-	0.58
cis-1,2-Dichloroethene	6.0	**13**	-	**9.7**	**14**
trans-1,2-Dichloroethene	10.0	0.66 J	-	2.4	1.4
1,2,4-Trimethylbenzene	330[2]	-	0.72 J	-	-
Dichlorodifluoromethane	1000[2]	3.5	25	5.3	13
Ethylbenzene	300	0.19 J	0.43 J	0.58 J	0.53 J
Methylene chloride	5.0	-	**5.3 J**	-	**53**
Toluene	150	-	1.5	1.6	8
Tetrachloroethene	5.0	2.5	1.8	**31**	**7.4**
Trichloroethene	5.0	4.5	-	**25**	**11**
Trichlorofluoromethane	150	0.44 J	-	-	-
Vinyl chloride	0.5	**3.6**	**3**	**4**	**13**
Xylenes (Total)	1,750	-	1.8	4	2.1

1-DHS Notification Level

2- For total trihalomethanes (sum of bromoform, bromodichloromethane, chloroform, and dibromochloromethane)

Bolded values exceed MCL or Notification level

MCL- State or Federal Maximum Contaminant Level

- Constituent was not detected at a concentration greater than the MDL

J – Estimated concentration detected between the RL and the MDL

NE- None established

3.5.3 Unit 3 Groundwater Quality

The following general chemistry parameters and metals were reported in groundwater samples collected from Unit 3 monitor wells at concentrations exceeding the WQOs during the third quarter 2005 monitoring event.

Parameter	Concentration (milligrams per liter)						
	WQOs	MW-7	MW-6 (d)	MW-9 (d)	MW-16	MW-22 (d)	MW-29
General Chemistry							
Chloride	800	11,000	6,900	1,100	8,500	-	1,800
pH[1]	6.0-9.0	5.8	-	-	4	-	-
Sulfate	500	1,500	2,300	1,500	17,000	1,100	4,100
TDS	3,500	20,000	15,000	40,000	39,000	-	7,700
Metals							
Iron	0.3	0.551	4.28	7.51	958	1.2	0.774
Manganese	0.05	5.92	28.8	0.148	150	0.25	0.933
Sodium[2]	60 %	-	-	-	-	63 %	66 %

- Reported concentration does not exceed WQO
(d) Deep monitor well
1 – pH units
2 - As required by WDR Order No. 96-13 % Sodium is calculated as follows (Na / Na + Ca + Mg + K) * 100%

The following VOCs were reported in groundwater samples collected from Unit 3 monitor wells during the third quarter 2005 monitoring event:

Parameter	Concentration (micrograms per liter)					
	MCLs	MW-7	MW-6 (d)	MW-9 (d)	MW-16	MW-29
Acetone	NE	-	-	-	-	6.3 J
Benzene	1.0	-	-	-	0.81	-
Chloroform	100[1]	-	-	-	-	0.52
1,1-Dichloroethane	5.0	-	-	-	0.8 J	0.59 J
1,1-Dichloroethene	6.0	-	-	-	0.71 J	-
cis-1,2-Dichloroethene	6.0	-	-	-	1.5	-
Dichlorodifluoromethane	1000[2]	18	1.7	-	18	-
Ethylbenzene	300	-	0.29 J	-	-	-
Methylene Chloride	5.0	-	-	-	-	6.3 J
Tetrachloroethene	5.0	-	-	0.83 J	1.3	2.8
Toluene	150	-	-	-	1.1	-
Trichloroethene	5.0	-	-	-	2.2	1.1
Vinyl Chloride	0.5	-	-	-	0.44 J	-

1-DHS Notification Level
2- For total trihalomethanes (sum of bromoform, bromodichloromethane, chloroform, and dibromochloromethane)
Bolded values exceed MCL or Notification level
MCL- State or Federal Maximum Contaminant Level
- Constituent was not detected at a concentration greater than the MDL
(d) Deep monitor well
J – Estimated concentration detected between the RL and the MDL
NE- None established

3.5.4 Subdrain Sump Analytical Results

The following general chemistry parameters and metals were reported in the sample collected from the subdrain sump at concentrations exceeding the WQOs during the third quarter 2005.

Parameter	Concentration (milligrams per liter)	
	WQO	Sump (08/15/05)
General		
Chloride	800	6,200
Sulfate	500	2,000
TDS	3,500	11,000
Metals		
Calcium	NE	1,560
Magnesium	NE	563
Potassium	NE	52.7
Sodium[1]	60 %	48 %

1 - As required by WDR Order No. 96-13 % Sodium is calculated as follows (Na / Na + Ca + Mg + K) * 100%

The following VOCs were reported in the sample collected from the subdrain sump during the third quarter 2005:

Parameter	MCLs	Concentration (micrograms per liter)
		Sump (08/15/05)
1,4-Dichlorobenzene	5.0	1.6
Benzene	1.0	0.49 J
cis-1,2-Dichloroethene	6.0	10
Tetrachloroethene	5.0	0.94 J
Trichloroethene	5.0	4.5
Vinyl Chloride	0.5	0.59

J – Estimated concentration detected between the RL and the MDL
MCL- State or Federal Maximum Contaminant Level

3.6 Summary

Constituents detected in groundwater samples collected during the third quarter 2005 were generally within historic concentrations. Groundwater samples collected from perched groundwater monitor well MW-16 contained higher concentrations of TDS, sulfate, iron, and manganese relative to previous sampling events. Groundwater samples collected from deep groundwater monitor well MW-6 showed elevated concentrations of dissolved magnesium, manganese, nickel, potassium, and sodium, while groundwater collected from deep monitor well MW-9 showed elevated TDS concentrations. These wells will continue to be monitored to determine if those results are anomalous. No significant increase in VOC concentrations were observed.

The groundwater monitoring data, laboratory test data[1], and a copy of the final report for this monitoring period for the Palomar Airport Landfill site were electronically submitted to and confirmed by the State Water Board's internet-accessible database system, Geotracker. This information was submitted to the Geotracker database in accordance with Chapter 30, Division 3, Titles 23 &27 of the California Code of Regulations on the date that this report was finalized.

[1] Confirmation numbers for upload of groundwater analytical data into Geotracker are 2246456325 (10/5/05), 4333871006 (10/5/05), 4365014672 (10/25/05), and 9735096454 (10/26/2005)

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TABLES

GeoSyntec Consultants

Table 2-1
Summary of Groundwater Depths and Elevations
Detection Monitoring Program
Palomar Airport Landfill
Carlsbad, California

Well Number	Top of Casing Elevation (ft msl)	Ground Surface Elevation (ft msl)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft msl)
MW-1	293.49	292.49	12/13/91	84.50	36.86	256.63
			12/31/91	84.50	40.50	252.99
			01/13/92	84.50	41.17	252.32
			03/27/92	84.50	39.78	253.71
			06/23/92	84.50	38.45	255.04
			10/05/92	84.50	35.60	257.89
			11/23/93	84.50	37.09	256.40
			05/16/94	84.50	36.32	257.17
			11/17/94	84.50	37.61	255.88
			08/09/95	84.50	34.25	259.24
			03/07/96	84.50	35.70	257.79
			08/28/96	84.50	35.70	257.79
			03/05/97	84.50	34.37	259.12
			09/09/97	84.50	33.79	259.70
			03/17/98	84.50	31.16	262.33
			09/09/98	84.50	29.97	263.52
			03/03/99	84.50	30.94	262.55
			08/18/99	84.50	31.84	261.65
			03/01/00	84.50	33.50	259.99
MW-2	282.06	281.06	12/09/91	48.00	37.21	244.85
			12/12/91	48.00	37.43	244.63
			03/27/92	48.00	36.28	245.78
			06/23/92	48.00	35.90	246.16
			10/09/92	48.00	34.50	247.56
			03/05/97	48.00	27.30	254.76
			09/09/97	48.00	25.93	256.13
			08/02/01	49.10	17.53	264.53
			01/31/02	49.10	18.05	264.01
			07/24/02	49.10	18.21	263.85
			02/07/03	49.10	18.70	263.36
			07/31/03	49.10	18.34	263.72
			08/15/03	49.10	17.90	264.16
			02/05/04	49.10	17.85	264.21
			07/09/04	49.10	18.41	263.65
			08/05/04	49.10	18.60	263.46
	281.64		02/02/05	49.10	17.61	264.03
			08/04/05	49.10	16.68	264.96
MW-3	289.03	288.03	12/11/91	52.10	25.91	263.12
			12/13/91	52.10	27.96	261.07
			03/27/92	52.10	23.96	265.07
			06/23/92	52.10	23.07	265.96
			10/05/92	52.10	23.52	265.51
			11/23/93	52.10	22.94	266.09
			05/04/94	52.10	23.15	265.88
			11/17/94	52.10	23.26	265.77
			08/09/95	52.10	24.30	264.73
			03/07/96	52.10	22.30	266.73
			08/28/96	52.10	22.95	266.08
			03/05/97	52.10	22.01	267.02
			09/09/97	52.10	21.76	267.27
			03/17/98	52.10	18.18	270.85
			09/09/98	52.10	18.68	270.35
			03/03/99	52.10	19.47	269.56
			08/18/99	52.10	19.08	269.95
			03/01/00	52.10	18.03	271.00

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Detection Monitoring Program
Palomar Airport Landfill
Carlsbad, California

Well Number	Top of Casing Elevation (ft msl)	Ground Surface Elevation (ft msl)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft msl)
MW-4	281.89	280.89	01/13/92	99.00	90.23	191.66
			03/26/92	99.00	90.36	191.53
			06/23/92	99.00	97.90	183.99
			10/05/92	99.00	97.31	184.58
			11/23/93	99.00	91.59	190.30
			05/04/94	99.00	91.34	190.55
			11/17/94	99.00	90.65	191.24
			08/09/95	99.00	Dry	-
			03/07/96	99.00	Dry	-
			08/28/96	99.00	Dry	-
			03/05/97	99.00	Dry	-
			09/09/97	99.00	91.20	190.69
			03/17/98	99.00	91.23	190.66
			09/09/98	99.00	90.93	190.96
			03/03/99	99.00	91.00	190.89
			08/18/99	99.00	Dry	-
			03/01/00	99.00	90.98	190.91
MW-5	293.81	292.81	12/31/91	49.13	37.66	256.15
			01/13/92	49.13	37.61	256.20
			03/27/92	49.13	34.88	258.93
			06/23/92	49.13	34.45	259.36
			10/05/92	49.13	34.50	259.31
			11/23/93	49.13	26.28	267.53
			05/05/94	49.13	33.08	260.73
			11/17/94	49.13	35.43	258.38
			08/09/95	49.13	31.40	262.41
			03/07/96	49.13	33.90	259.91
			08/28/96	49.13	34.10	259.71
			03/05/97	49.13	29.90	263.91
			09/09/97	49.13	33.40	260.41
			03/17/98	49.13	26.97	266.84
			09/09/98	49.13	30.07	263.74
			03/03/99	49.13	30.19	263.62
			08/18/99	49.13	32.08	261.73
			03/01/00	49.13	33.03	260.78
MW-6	266.24	265.24	01/02/92	127.00	91.82	174.42
			01/13/92	127.00	91.89	174.35
			03/28/92	127.00	91.17	175.07
			06/23/92	127.00	90.40	175.84
			10/05/92	127.00	88.92	177.32
			11/23/93	127.00	86.46	179.78
			05/16/94	127.00	83.89	182.35
			11/17/94	127.00	93.30	172.94
			08/09/95	127.00	78.90	187.34
			03/07/96	127.00	77.60	188.64
			08/28/96	127.00	74.95	191.29
			03/05/97	127.00	73.95	192.29
			09/09/97	127.00	72.07	194.17
			03/17/98	127.00	71.56	194.68
			09/09/98	127.00	68.27	197.97
			03/18/99	127.00	67.24	199.00

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Palomar Airport Landfill
Carlsbad, California

Well Number	Top of Casing Elevation (ft msl)	Ground Surface Elevation (ft msl)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft msl)
MW-6	271.67	267.00	09/21/99	127.00	71.18	200.49
			03/01/00	127.00	70.88	200.79
			08/09/00	127.00	70.48	201.19
			09/21/00	127.00	74.93	196.74
			12/07/00	127.00	69.51	202.16
			02/01/01	127.00	69.48	202.19
			08/02/01	127.00	67.90	203.77
			01/31/02	127.00	66.97	204.70
			07/24/02	127.00	64.38	207.29
			02/06/03	127.00	62.61	209.06
			07/31/03	127.00	60.48	211.19
			02/20/04	127.00	59.81	211.86
			08/04/04	127.00	58.06	213.61
			02/02/05	127.00	57.75	213.92
			08/04/05	127.00	52.14	219.53
MW-7	282.52	281.27	01/10/92	54.50	40.00	242.52
			01/13/92	54.50	27.70	254.82
			03/28/92	54.50	26.32	256.20
			10/05/92	54.50	25.21	257.31
			11/23/93	54.50	23.12	259.40
			05/04/94	54.50	22.26	260.26
			11/17/94	54.50	22.20	260.32
			08/09/95	54.50	20.05	262.47
			03/07/96	54.50	20.10	262.42
			08/28/96	54.50	20.05	262.47
			03/05/97	54.50	19.71	262.81
			09/09/97	54.50	19.60	262.92
			03/17/98	54.50	20.10	262.42
			09/09/98	54.50	18.43	264.09
			03/03/99	54.50	18.87	263.65
			08/18/99	54.50	19.18	263.34
			03/01/00	54.50	19.62	262.90
			08/09/00	54.50	19.61	262.91
			09/21/00	54.50	19.43	263.09
			12/07/00	54.50	19.70	262.82
			02/01/01	54.50	19.96	262.56
			08/02/01	55.70	19.44	263.08
			01/31/02	55.70	19.74	262.78
			07/24/02	55.70	19.80	262.72
			02/06/03	55.70	19.76	262.76
			07/31/03	55.70	19.10	263.42
			02/05/04	55.70	19.41	263.11
			08/05/04	55.70	19.20	263.32
			02/02/05	55.70	18.60	263.92
			08/04/05	55.70	16.67	265.85

Table 2-1
Summary of Groundwater Depths and Elevations
Detection Monitoring Program
Palomar Airport Landfill
Carlsbad, California

Well Number	Top of Casing Elevation (ft msl)	Ground Surface Elevation (ft msl)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft msl)
MW-8	316.63	316.21	08/28/96	105.00	59.45	257.18
			03/05/97	105.00	57.91	258.72
			09/09/97	105.00	54.62	262.01
			03/17/98	105.00	53.54	263.09
			09/09/98	105.00	50.35	266.28
			03/03/99	105.00	52.17	264.46
			08/18/99	105.00	53.60	263.03
			03/01/00	105.00	55.91	260.72
			08/09/00	105.00	55.62	261.01
			09/21/00	105.00	56.01	260.62
			12/07/00	105.00	57.55	259.08
			02/01/01	105.00	56.16	260.47
			08/02/01	105.00	57.94	258.69
			01/31/02	105.00	56.18	260.45
			07/24/02	105.00	55.69	260.94
			02/07/03	105.00	55.48	261.15
			07/31/03	105.00	55.95	260.68
			02/05/04	105.00	55.75	260.88
			07/09/04	105.00	55.07	261.56
			08/04/04	105.00	54.89	261.74
			02/02/05	105.00	62.00	254.63
			08/04/05	105.00	61.45	255.18
MW-9	315.49	316.00	08/28/96	149.00	119.75	195.74
			03/05/97	149.00	118.64	196.85
			09/09/97	149.00	116.53	198.96
			03/17/98	149.00	115.62	199.87
			09/09/98	149.00	112.08	203.41
			03/03/99	149.00	110.95	204.54
			08/18/99	149.00	110.21	205.28
			03/01/00	149.00	109.87	205.62
			08/09/00	149.00	109.07	206.42
			09/21/00	149.00	108.36	207.13
			12/07/00	149.00	108.21	207.28
			02/01/01	149.00	108.03	207.46
			08/02/01	148.20	106.17	209.32
			01/31/02	148.20	104.93	210.56
			07/24/02	148.20	101.55	213.94
			02/07/03	148.20	99.75	215.74
			07/31/03	148.20	97.49	218.00
			02/05/04	148.20	96.59	218.90
			08/06/04	148.20	94.07	221.42
			02/02/05	148.20	91.44	224.05
			08/04/05	148.20	87.52	227.97

Table 2-1
Summary of Groundwater Depths and Elevations
Detection Monitoring Program
Palomar Airport Landfill
Carlsbad, California

Well Number	Top of Casing Elevation (ft msl)	Ground Surface Elevation (ft msl)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft msl)
MW-10	313.63	314.00	08/28/96	67.00	37.65	275.98
			03/05/97	67.00	37.80	275.83
			09/09/97	67.00	44.25	269.38
			03/17/98	67.00	35.40	278.23
			09/09/98	67.00	34.52	279.11
			03/03/99	67.00	33.95	279.68
			08/18/99	67.00	34.13	279.50
			03/01/00	67.00	32.55	281.08
			08/09/00	67.00	32.02	281.61
			09/21/00	67.00	31.41	282.22
			12/07/00	67.00	32.01	281.62
			02/01/01	67.00	32.35	281.28
			08/02/01	67.00	31.02	282.61
			01/31/02	67.00	30.99	282.64
			07/24/02	67.00	30.58	283.05
			02/07/03	67.00	30.67	282.96
			07/31/03	67.00	30.79	282.84
			02/05/04	67.00	31.04	282.59
			07/09/04	67.00	30.71	282.92
			07/21/04	67.00	30.69	282.94
MW-11	278.40		09/21/00	62.00	35.90	242.50
			12/07/00	62.00	35.97	242.43
			02/01/01	62.00	35.95	242.45
			08/02/01	65.70	35.64	242.76
			01/31/02	65.70	35.91	242.49
			07/24/02	65.70	35.85	242.55
			02/07/03	65.70	35.92	242.48
			07/31/03	65.70	36.19	242.21
			02/05/04	65.70	35.82	242.58
			07/09/04	65.70	35.76	242.64
			08/05/04	65.70	35.86	242.54
	278.45		02/02/05	65.70	35.64	242.81
			08/04/05	65.70	34.93	243.52
MW-12	292.57		09/21/00	48.50	31.62	260.95
			12/07/00	48.50	31.78	260.79
			02/01/01	48.50	31.97	260.60
			08/02/01	51.73	31.15	261.42
			01/31/02	51.73	32.65	259.92
			07/24/02	51.73	32.95	259.62
			02/06/03	51.73	33.09	259.48
			07/31/03	51.73	32.82	259.75
			02/05/04	51.73	33.32	259.25
			07/09/04	51.73	33.29	259.28
			08/05/04	51.73	33.37	259.20
			02/02/05	51.73	30.49	262.08
			08/04/05	51.73	29.93	262.64
MW-13	320.69		09/21/00	41.50	18.66	302.03
			12/07/00	41.50	18.56	302.13
			02/01/01	41.50	18.70	301.99
			08/02/01	41.50	18.77	301.92
			01/31/02	41.50	18.56	302.13
			07/24/02	41.50	18.74	301.95
	321.50		02/07/03	41.50	18.53	302.97
			07/31/03	41.50	18.95	302.55
			02/05/04	41.50	18.75	302.75
			07/09/04	41.50	18.80	302.70
			08/05/04	41.50	18.68	302.82
			02/02/05	41.50	18.67	302.83
			08/04/05	41.50	18.03	303.47

Table 2-1
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Palomar Airport Landfill
Carlsbad, California

Well Number	Top of Casing Elevation (ft msl)	Ground Surface Elevation (ft msl)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft msl)
MW-14	318.95		09/21/00	43.07	Dry	-
			12/07/00	43.07	42.40	276.55
			02/01/01	43.07	Dry	-
			08/02/01	43.10	Dry	-
			01/31/02	43.10	Dry	-
			7/24/012	43.10	Dry	-
			02/07/03	43.10	Dry	-
			07/31/03	43.10	Dry	-
			02/05/04	43.10	Dry	-
			08/06/04	43.10	Dry	-
			02/02/05	43.10	42.63	276.32
			08/04/05	43.10	42.36	276.59
MW-15	300.37		09/21/00	145.00	115.12	185.25
			12/07/00	145.00	114.18	186.19
			02/01/01	145.00	114.01	186.36
			08/02/01	145.00	112.88	187.49
			01/31/02	145.00	112.02	188.35
			07/24/02	145.00	110.73	189.64
			02/06/03	145.00	109.36	191.01
			07/31/03	*145.00*	*108.30*	*192.07*
			02/05/04	145.00	107.23	193.14
			08/05/04	145.00	105.65	194.72
			02/02/05	145.00	104.79	195.58
			08/04/05	145.00	102.62	197.75
MW-16	318.91		09/21/00	59.00	34.05	284.86
			12/07/00	59.00	33.96	284.95
	318.71		02/01/01	59.00	33.93	284.78
			08/02/01	58.01	33.24	285.47
			01/31/02	58.01	33.27	285.44
			07/24/02	58.01	33.53	285.18
			02/07/03	58.01	33.51	285.20
			07/31/03	58.01	33.11	285.60
			02/05/04	58.01	33.05	285.66
			07/09/04	58.01	32.93	285.78
			08/06/04	58.01	32.85	285.86
			02/04/05	58.01	32.61	286.10
			08/04/05	58.01	31.72	286.99
MW-17	318.53		09/21/00	130.00	112.52	206.01
			12/07/00	130.00	129.00	189.53
			02/01/01	130.00	Dry	-
			08/02/01	130.40	Dry	-
			01/31/02	130.40	Dry	-
			07/24/02	130.40	Dry	-
			02/07/03	130.40	Dry	-
			07/31/03	130.40	Dry	-
			02/05/04	130.40	Dry	-
			08/06/04	130.40	Dry	-
			02/04/05	130.40	Dry	-
			08/04/05	130.40	Dry	-

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Detection Monitoring Program
Palomar Airport Landfill
Carlsbad, California

Well Number	Top of Casing Elevation (ft msl)	Ground Surface Elevation (ft msl)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft msl)
MW-18	317.65		09/21/00	43.00	21.31	296.34
			12/07/00	43.00	21.40	296.25
			02/01/01	43.00	21.71	295.94
			08/02/01	41.88	21.74	295.91
			01/31/02	41.88	21.61	296.04
			07/24/02	41.88	21.76	295.89
			02/07/03	41.88	21.57	296.08
			07/31/03	41.88	21.73	295.92
			02/05/04	41.88	21.79	295.86
			07/09/04	41.88	21.51	296.14
			08/06/04	41.88	21.42	296.23
			02/04/05	41.88	20.75	296.90
			08/04/05	41.88	20.72	296.93
MW-19	276.24		09/21/00	115.00	87.60	188.64
			12/07/00	115.00	89.57	186.67
			02/01/01	115.00	89.50	186.74
			08/02/01	115.00	89.13	187.11
			01/31/02	115.00	89.20	187.04
			07/24/02	115.00	88.71	187.53
			02/07/03	115.00	88.67	187.57
			07/31/03	115.00	88.57	187.67
			02/05/04	115.00	88.44	187.80
			08/05/04	115.00	87.98	188.26
			02/02/05	115.00	88.17	188.07
			08/04/05	115.00	87.27	188.97
MW-20	319.02		09/21/00	18.50	9.60	309.42
			12/07/00	18.50	10.30	308.72
			02/01/01	18.50	10.32	308.70
			08/02/01	18.40	9.78	309.24
			01/31/02	18.40	Dry	-
			07/24/02	18.40	Dry	-
			02/07/03	18.40	Dry	-
			07/31/03	18.40	9.55	309.47
			09/12/03	18.40	9.90	309.12
			10/16/03	18.40	10.10	308.92
			11/07/03	18.40	10.28	308.74
			12/18/03	18.40	10.48	308.54
			01/18/04	18.40	10.40	308.62
			02/05/04	18.40	10.77	308.25
			08/06/04	18.40	10.79	308.23
			02/02/05	18.25	6.63	312.39
			08/04/05	18.25	6.40	312.62
MW-21	316.40		09/21/00	230.00	199.03	117.37
			12/07/00	230.00	198.70	117.70
			02/01/01	230.00	198.12	118.28
			08/02/01	229.00	198.12	118.28
			01/31/02	229.00	194.83	121.57
			07/24/02	229.00	193.77	122.63
			02/06/03	229.00	190.45	125.95
			07/31/03	229.00	187.74	128.66
			02/05/04	229.00	189.07	127.33
			08/05/04	229.00	188.18	128.22
			02/02/05	229.00	187.21	129.19
			08/04/05	229.00	183.61	132.79

Table 2-1
Summary of Groundwater Depths and Elevations
Detection Monitoring Program
Palomar Airport Landfill
Carlsbad, California

Well Number	Top of Casing Elevation (ft msl)	Ground Surface Elevation (ft msl)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft msl)
MW-22	318.28		01/31/02	170.70	126.00	192.28
			07/24/02	170.70	124.44	193.84
			02/07/03	170.70	122.63	195.65
			07/31/03	170.70	121.40	196.88
			02/05/04	170.70	120.38	197.90
			08/06/04	170.70	118.62	199.66
			02/04/05	170.70	117.48	200.80
			08/04/05	170.70	114.67	203.61
MW-23	NA		01/31/02	181.00	Dry	-
			07/24/02	181.00	Dry	-
			02/07/03	181.00	Dry	-
			07/31/03	181.00	Dry	-
			02/05/04	181.00	Dry	-
			08/05/04	181.00	Dry	-
			02/02/05	181.00	Dry	-
			08/04/05	181.00	Dry	-
MW-24	250.20		01/31/02	39.90	25.62	224.58
			07/24/02	39.90	25.11	225.09
			02/06/03	39.90	24.90	225.30
			07/31/03	39.90	24.52	225.68
			02/05/04	39.90	25.00	225.20
	250.31		07/09/04	39.90	25.42	224.89
			08/05/04	39.90	25.45	224.86
			02/02/05	39.90	25.02	225.29
			08/04/05	39.90	24.34	225.97
MW-25	298.77		01/31/02	49.50	35.87	262.90
			07/24/02	49.50	35.96	262.81
			02/06/03	49.50	36.05	262.72
			07/31/03	49.50	35.91	262.86
			02/05/04	49.50	36.15	262.62
			07/09/04	49.50	36.12	262.65
			08/05/04	49.50	35.07	263.70
			02/02/05	49.50	34.97	263.80
			08/04/05	49.50	33.40	265.37
MW-26	322.94		07/25/02	235.84	188.35	134.59
			02/07/03	235.84	186.25	136.69
			07/31/03	235.84	185.07	137.87
			02/05/04	235.84	184.23	138.71
			08/05/04	235.84	183.73	139.21
			02/02/05	235.84	183.40	139.54
			08/04/05	235.84	183.20	139.74
MW-27	258.95	259.39	06/21/04	38.10	35.75	223.20
			06/28/04	38.10	34.65	224.30
			07/09/04	38.10	28.84	230.11
			08/05/04	38.10	28.78	230.17
			02/02/05	38.10	28.44	230.51
			08/04/05	38.10	28.40	230.55
MW-28	313.82		08/05/04	39.80	22.66	291.16
			02/02/05	39.80	23.81	290.01
			08/04/05	39.80	22.42	291.40
MW-29	270.43	268.40	12/27/04	37.00	18.09	252.34
			02/02/05	37.35	19.10	251.33
			08/04/05	37.35	23.78	246.65

ft-msl - Feet above mean sea level ft-toc - Feet below top of casing

Table 3-1
Summary of Regulatory Standards
Palomar Airport Landfill
Carlsbad, California

Constituent	Water Quality Standard	WQO	Units	Reference
Volatile Organic Compounds (VOCs) by EPA Method 8260B				
Acetone	5500	NE	µg/l	PRG, EPA
Acetonitrile	100	NE	µg/l	PRG, EPA
Acrolein (Propenal)	0.042	NE	µg/l	PRG, EPA
Acrylonitrile	0.011	NE	µg/l	PRG, EPA
Allyl chloride	10	NE	µg/l	PRG, EPA
Benzene	1	NE	µg/l	Primary MCL, DHS
Benzyl chloride	0.066	NE	µg/l	PRG, EPA
Bromobenzene	20	NE	µg/l	PRG, EPA
Bromochloromethane	10	NE	µg/l	SNARL, EPA
Bromodichloromethane	100 [1]	NE	µg/l	Primary MCL, EPA
Bromoform	100 [1]	NE	µg/l	Primary MCL, EPA
Bromomethane	8.7	NE	µg/l	PRG, EPA
2-Butanone (MEK)	7000	NE	µg/l	PRG, EPA
n-Butylbenzene	260	NE	µg/l	Notification Level, DHS
sec-Butylbenzene	260	NE	µg/l	Notification Level, DHS
tert-Butylbenzene	260	NE	µg/l	Notification Level, DHS
Carbon Disulfide	160	NE	µg/l	Notification Level, DHS
Carbon Tetrachloride	0.5	NE	µg/l	Primary MCL, DHS
Chlorobenzene	70	NE	µg/l	Primary MCL, DHS
Chloroethane	4.6	NE	µg/l	PRG, EPA
2-Chloroethyl vinyl ether	NE	NE	µg/l	Not Established
Chloroform	100 [1]	NE	µg/l	Primary MCL, EPA
1-Chlorohexane	NE	NE	µg/l	Not Established
Chloromethane	3	NE	µg/l	SNARL, EPA
2-Chlorotoluene	140	NE	µg/l	Notification Level, DHS
4-Chlorotoluene	140	NE	µg/l	Notification Level, DHS
Dibromochloromethane	100 [1]	NE	µg/l	Primary MCL, DHS
1,2-Dibromo-3-chloropropane	0.2	NE	µg/l	Primary MCL, EPA
1,2-Dibromoethane	0.05	NE	µg/l	Primary MCL, EPA
Dibromomethane	NE	NE	µg/l	Not Established
1,2-Dichlorobenzene	600	NE	µg/l	Primary MCL, EPA
1,3-Dichlorobenzene	600	NE	µg/l	Notification Level, DHS
1,4-Dichlorobenzene	5	NE	µg/l	Primary MCL, DHS
1,4-Dichloro-2-butene	0.0012	NE	µg/l	PRG, EPA
cis-1,4-Dichloro-2-butene	NE	NE	µg/l	Not Established
trans-1,4-Dichloro-2-butene	NE	NE	µg/l	Not Established
1,2-Dichloroethane	0.5	NE	µg/l	Primary MCL, DHS
cis-1,2-Dichloroethene	6	NE	µg/l	Primary MCL, DHS
trans-1,2-Dichloroethene	10	NE	µg/l	Primary MCL, DHS
Dichlorodifluoromethane	1000	NE	µg/l	Notification Level, DHS
1,1-Dichloroethane	5	NE	µg/l	Primary MCL, DHS
1,1-Dichloroethene	6	NE	µg/l	Primary MCL, DHS
cis-1,3-Dichloropropane	NE	NE	µg/l	Not Established
1,2-Dichloropropane	5	NE	µg/l	Primary MCL, EPA
2,2-Dichloropropane	NE	NE	µg/l	Not Established
1,1-Dichloropropene	NE	NE	µg/l	Not Established
1,3,-Dichloropropene (Total)	0.5	NE	µg/l	Primary MCL, DHS
1,4-Dioxane	3	NE	µg/l	Notification Level, DHS
Ethyl methacrylate	550	NE	µg/l	PRG, EPA
Ethylbenzene	300	NE	µg/l	Primary MCL, EPA
Hexachlorobutadiene	0.5	NE	µg/l	IRIS, EPA
2-Hexanone	NE	NE	µg/l	Not Established
Iodomethane	NE	NE	µg/l	Not Established
Isopropyl Benzene	770	NE	µg/l	Notification Level, DHS
Isopropyltoluene	NE	NE	µg/l	Not Established
Methacrylonitrile	0.7	NE	µg/l	IRIS, EPA
Methylene Chloride (Dichloromethane)	5	NE	µg/l	Primary MCL, EPA

Table 3-1
Summary of Regulatory Standards
Palomar Airport Landfill
Carlsbad, California

Constituent	Water Quality Standard	WQO	Units	Reference
Volatile Organic Compounds (VOCs) by EPA Method 8260B				
Methyl Isobutyl Ketone	120	NE	µg/l	Notification Level, DHS
Methyl methacrylate	800	NE	µg/l	SNARL, EPA
Methyl tertiary-butyl ether (MTBE)	13	NE	µg/l	Primary MCL, DHS
Naphthalene	170	NE	µg/l	Notification Level, DHS
Pentachloroethane	NE	NE	µg/l	Not Established
Propionitrile	NE	NE	µg/l	Not Established
N-Propyl Benzene	260	NE	µg/l	Notification Level, DHS
Styrene	100	NE	µg/l	Primary MCL, EPA
1,1,1,2-Tetrachloroethane	0.43	NE	µg/l	PRG, EPA
1,1,2,2-Tetrachloroethane	1	NE	µg/l	Primary MCL, DHS
Tetrachloroethene	5	NE	µg/l	Primary MCL, EPA
Tetrahydrofuran	1.6	NE	µg/l	PRG, EPA
Toluene	150	NE	µg/l	Primary MCL, DHS
1,2,3-Trichlorobenzene	NE	NE	µg/l	Not Established
1,3,5-Trichlorobenzene	40	NE	µg/l	SNARL, EPA
1,2,4-Trichlorobenzene	5	NE	µg/l	Primary MCL, DHS
1,1,1-Trichloroethane	200	NE	µg/l	Primary MCL, EPA
1,1,2-Trichloroethane	5	NE	µg/l	Primary MCL, EPA
Trichloroethene	5	NE	µg/l	Primary MCL, DHS
Trichlorofluoromethane	150	NE	µg/l	Primary MCL, DHS
1,2,3-Trichloropropane	0.0050	NE	µg/l	Notification Level, DHS
1,1,2-Trichlorotrifluoroethane	1200	NE	µg/l	Primary MCL, DHS
1,2,4-Trimethylbenzene	330	NE	µg/l	Notification Level, DHS
1,3,5-Trimethylbenzene	330	NE	µg/l	Notification Level, DHS
Vinyl Acetate	410	NE	µg/l	PRG, EPA
Vinyl Chloride	0.5	NE	µg/l	Primary MCL, DHS
Xylenes (Total)	1750	NE	µg/l	Primary MCL, DHS
Metals, Dissolved				
Antimony	0.006	NE	mg/l	Primary MCL, EPA
Arsenic	0.05	NE	mg/l	Primary MCL, EPA
Barium	1	NE	mg/l	Primary MCL, DHS
Beryllium	0.004	NE	mg/l	Primary MCL, EPA
Cadmium	0.005	NE	mg/l	Primary MCL, EPA
Calcium	NE	NE	mg/l	Not Established
Chromium	0.05	NE	mg/l	Primary MCL, DHS
Cobalt	NE	NE	mg/l	Not Established
Copper	1.3	NE	mg/l	Primary MCL, EPA
Iron	0.3	0.3	mg/l	Secondary MCL, EPA
Lead	0.015	NE	mg/l	Primary MCl treatment Notification level
Magnesium	NE	NE	mg/l	Not Established
Manganese	0.5	0.05	mg/l	DHS, Secondary MCL
Mercury	0.002	NE	mg/l	Primary MCL, EPA
Molybdenum	0.18	NE	mg/l	PRG, EPA
Nickel	0.1	NE	mg/l	Primary MCL, EPA
Potassium	NE	NE	mg/l	Not Established
Selenium	0.05	NE	mg/l	Primary MCL, EPA
Silver	0.1	NE	mg/l	Secondary MCL, EPA
Sodium	NE	60%*	mg/l	Not Established
Thallium	0.002	NE	mg/l	Primary MCL, EPA
Tin	22	NE	mg/l	PRG, EPA
Vanadium	0.05	NE	mg/l	Notification Level, DHS
Zinc	5	NE	mg/l	Secondary MCL, EPA

Table 3-1
Summary of Regulatory Standards
Palomar Airport Landfill
Carlsbad, California

Constituent	Water Quality Standard	WQO	Units	Reference
General Chemistry and Metals				
Bicarbonate	NE	NE	mg/l	Not Established
Carbonate	NE	NE	mg/l	Not Established
Chemical Oxygen Demand	NE	NE	mg/l	Not Established
Chloride	250	800	mg/l	Secondary MCL, EPA
Conductivity	900	NE	µS/cm	Not Established
Nitrate (as Nitrogen)	10	NE	mg/l	Primary MCL, EPA
pH	6.5-8.5	6.0-9.0	pH units	Secondary MCL, EPA
Sulfate	250	500	mg/l	Secondary MCL, EPA
Total Dissolved Solids (TDS)	500	3500	mg/l	Secondary MCL, EPA

* percent sodium = (Na/(Na+Ca+Mg+K))*100
DHS - California Department of Health Services
EPA - US Environmental Protection Agency
MCL - Maximum Contaminant Level
[1]For total triahlomethanes (sum of bromoform, bromodichloromethane, chloroform, and dibromochloromethane)
mg/l - Milligrams per liter
µg/l - Micrograms per liter
µS/cm - Microsiemens per centimeter
WQO - Water Quality Objective for the Encinas Hydrologic Area (4.40)
SNARL - Health Advisory or Suggested No-Adverse-Response Level
IRIS - USEPA Integrated Risk Information System
NE - Not Established

References:
Regional Water Quality Control Board, 1998, *Water Quality Control Plan for the San Diego Basin*
Regional Water Quality Control Board, Central Valley Region,*A Compilation of Water Quality Goals*, August 2003
United States Environmental Protection Agency Region IX, 2004, Preliminary Remediation Goals Table

Table 3-2
Summary of Groundwater Analyses
Palomar Airport Landfill
Carlsbad, California

			Unit 1 - Perched Groundwater				
			MW-2	MW-11	MW-13	MW-24	MW-28
	UNITS	WQO[1]	8/5/2005	8/4/2005	8/4/2005	8/4/2005	8/5/2005
General Chemistry							
Bicarbonate	mg/L	NE	520	ND<0.85	140	430	340
Carbonate	mg/L	NE	ND<0.85	ND<0.85	ND<0.85	ND<0.85	ND<0.85
Chemical Oxygen Demand	mg/L	NE	600	280	340	150	570
Chloride	mg/L	800	**4300**	**5100**	**13000**	**2700**	**13000**
Conductivity	mS/cm	NE	13500	1474	72000	1303	720000
Nitrate (as N)	mg/L	NE	ND<0.029	0.066J	0.99	ND<0.029	0.95
pH	pH	6.0-9.0	6.1	8.7	6.6	6.3	**5.6**
Sulfate	mg/L	500	**1700**	**2400**	**2600**	**2400**	**2100**
Total Dissolved Solids	mg/L	3500	**9600**	**11000**	**19000**	**7400**	**12000**
Metals, Dissolved							
Antimony	mg/L	NE	ND<0.00209	ND<0.0209	ND<0.00209	ND<0.00209	ND<0.00209
Arsenic	mg/L	NE	0.0309	ND<0.00308	0.00522J, B	ND<0.00308	ND<0.00308
Barium	mg/L	NE	0.0643	0.0213	0.0595	0.0607	0.0712
Beryllium	mg/L	NE	0.000313J	0.0241	ND<0.000176	0.000255J	0.000618J
Cadmium	mg/L	NE	0.00361J	0.00457J	ND<0.00035	0.000380J	0.00574
Calcium	mg/L	NE	1050	1020	1960	988	1990
Chromium (III and VI)	mg/L	NE	0.00748 B	0.0876 B	0.0107 B	0.00650 B	0.0116 B
Cobalt	mg/L	NE	*0.0368*	*0.279*	*0.0104*	*0.116*	*0.0513*
Copper	mg/L	NE	0.00165J	0.0687	ND<0.00134	0.00157J	0.00454J
Iron	mg/L	0.3	**201**	**13.4**	0.0832J	**1.83**	ND<0.00784
Lead	mg/L	NE	ND<0.00236	0.00741J	ND<0.00236	ND<0.00236	ND<0.00236
Magnesium	mg/L	NE	308	606	1350	323	1270
Manganese	mg/L	0.05	**6.27**	**15.6**	**0.285**	**20.4**	**14**
Mercury	mg/L	NE	ND<0.0000672	ND<0.0000672	ND<0.0000672	ND<0.0000672	0.000340J
Molybdenum	mg/L	NE	ND<0.0008	ND<0.0008	ND<0.0008	ND<0.0008	ND<0.0008
Nickel	mg/L	NE	0.0506	0.368	0.121	0.148	0.0928
Potassium	mg/L	NE	118	48.2	33.3	7.99	47.1
Selenium	mg/L	NE	0.00592J	ND<0.00295	0.00736J	0.00420J	ND<0.00295
Silver	mg/L	NE	0.00255J	ND<0.0004	0.00475J	0.00280J	0.00524
Sodium	mg/L	NE	1620	1590	4350	1000	3910
Thallium	mg/L	NE	0.00535 J, B	ND<0.00233	0.0126J	0.00546J	0.0226 B
Vanadium	mg/L	NE	ND<0.000314	0.000649J	ND<0.000314	ND<0.000314	ND<0.000314
Zinc	mg/L	NE	0.0112	1.34	0.0321	0.118	0.163

Table 3-2
Summary of Groundwater Analyses
Palomar Airport Landfill
Carlsbad, California

			Unit 1 - Perched Groundwater				
			MW-2	MW-11	MW-13	MW-24	MW-28
	UNITS	WQO[1]	8/5/2005	8/4/2005	8/4/2005	8/4/2005	8/5/2005
Volatile Organic Compounds (VOCs)							
1,1,1,2-Tetrachloroethane	µg/L	NE	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37
1,1,1-Trichloroethane	µg/L	NE	ND<0.32	ND<0.32	ND<0.32	ND<0.32	ND<0.32
1,1,2,2-Tetrachloroethane	µg/L	NE	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37
1,1,2-Trichloroethane	µg/L	NE	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54
1,1-Dichloroethane	µg/L	NE	ND<0.53	**0.58 J**	ND<0.53	ND<0.53	**2.1**
1,1-Dichloroethene	µg/L	NE	**0.55 J**	**0.42 J**	ND<0.31	ND<0.31	**0.37J**
1,1-Dichloropropene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21
1,2,3-Trichlorobenzene	µg/L	NE	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39
1,2,3-Trichloropropane	µg/L	NE	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3
1,2,4-Trichlorobenzene	µg/L	NE	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35
1,2,4-Trimethylbenzene	µg/L	NE	ND<0.26	ND<0.26	ND<0.26	ND<0.26	ND<0.26
1,2-Dibromo-3-chloropropane	µg/L	NE	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
1,2-Dibromoethane	µg/L	NE	ND<0.81	ND<0.81	ND<0.81	ND<0.81	ND<0.81
1,2-Dichlorobenzene	µg/L	NE	**2.5**	**0.69 J**	ND<0.24	ND<0.24	ND<0.24
1,2-Dichloroethane	µg/L	NE	ND<0.22	ND<0.22	ND<0.22	ND<0.22	**1.2**
1,2-Dichloropropane	µg/L	NE	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28
1,3,5-Trimethylbenzene	µg/L	NE	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19
1,3-Dichlorobenzene	µg/L	NE	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38
1,3-Dichloropropane	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
1,4-Dichlorobenzene	µg/L	NE	**42**	**2.9**	ND<0.3	ND<0.3	ND<0.3
2,2-Dichloropropane	µg/L	NE	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4
2-Butanone	µg/L	NE	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<4.2
2-Chlorotoluene	µg/L	NE	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24
2-Hexanone	µg/L	NE	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9
4-Chlorotoluene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
4-Methyl-2-pentanone	µg/L	NE	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4
Acetone	µg/L	NE	ND<6.1	**7.3J**	ND<6.1	ND<6.1	ND<6.1
Acrolein	µg/L	NE	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3
Acrylonitrile	µg/L	NE	ND<3.6	ND<3.6	ND<3.6	ND<3.6	ND<3.6
Benzene	µg/L	NE	**3.4**	**1.8**	ND<0.26	ND<0.26	**8.9**
Bromobenzene	µg/L	NE	ND<0.47	ND<0.47	ND<0.47	ND<0.47	ND<0.47
Bromochloromethane	µg/L	NE	ND<0.68	ND<0.68	ND<0.68	ND<0.68	ND<0.68
Bromodichloromethane	µg/L	NE	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27
Bromoform	µg/L	NE	ND<0.62	ND<0.62	ND<0.62	ND<0.62	ND<0.62
Bromomethane	µg/L	NE	ND<2.9	ND<2.9	ND<2.9	ND<2.9	ND<2.9

Table 3-2
Summary of Groundwater Analyses
Palomar Airport Landfill
Carlsbad, California

			Unit 1 - Perched Groundwater				
			MW-2	MW-11	MW-13	MW-24	MW-28
	UNITS	WQO[1]	8/5/2005	8/4/2005	8/4/2005	8/4/2005	8/5/2005
Volatile Organic Compounds (VOCs)							
Carbon tetrachloride	µg/L	NE	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42
Chlorobenzene	µg/L	NE	**2.3**	**0.40 J**	ND<0.36	ND<0.36	ND<0.36
Chloroethane	µg/L	NE	ND<0.52	ND<0.52	ND<0.52	ND<0.52	**1.9**
Chloroform	µg/L	NE	ND<0.22	**0.28J**	ND<0.22	ND<0.22	**0.58 J**
Chloromethane	µg/L	NE	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8
cis-1,2-Dichloroethene	µg/L	NE	**41**	**88**	ND<0.35	ND<0.35	**5.2**
cis-1,3-Dichloropropene	µg/L	NE	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45
Dibromochloromethane	µg/L	NE	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45
Dibromomethane	µg/L	NE	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42
Dichlorodifluoromethane	µg/L	NE	ND<0.27	**6.8**	ND<0.27	ND<0.27	**8.7**
Ethylbenzene	µg/L	NE	**0.19 J**	ND<0.17	ND<0.17	ND<0.17	**0.71 J**
Hexachlorobutadiene	µg/L	NE	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39
Isopropylbenzene (Cumene)	µg/L	NE	**0.51 J**	ND<0.24	ND<0.24	ND<0.24	**0.31 J**
Isopropyltoluene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21
Methylene chloride	µg/L	NE	*ND<2.6*	***8.2 J***	*ND<2.6*	*ND<2.6*	*ND<2.6*
Methyl tertiary butyl ether (MTBE)	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	**0.5 J**	ND<0.29
Naphthalene	µg/L	NE	ND<0.95	ND<0.95	ND<0.95	ND<0.95	ND<0.95
n-Butylbenzene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29
n-Propylbenzene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
sec-Butylbenzene	µg/L	NE	**0.89 J**	ND<0.21	ND<0.21	ND<0.21	ND<0.21
Styrene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29
tert-Butylbenzene	µg/L	NE	*ND<0.17*	*ND<0.17*	*ND<0.17*	*ND<0.17*	*ND<0.17*
Tetrachloroethene	µg/L	NE	ND<0.29	**16**	ND<0.29	ND<0.29	**12**
Toluene	µg/L	NE	ND<0.35	ND<0.35	ND<0.35	ND<0.35	**70**
trans-1,2-Dichloroethene	µg/L	NE	**0.79 J**	**4.1**	ND<0.29	ND<0.29	**1.4**
trans-1,3-Dichloropropene	µg/L	NE	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31
Trichloroethene	µg/L	NE	**3.5**	**34**	ND<0.3	ND<0.3	**12**
Trichlorofluoromethane	µg/L	NE	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36
Vinyl chloride	µg/L	NE	***1.7***	***3.8***	*ND<0.33*	*ND<0.33*	***1.9***
Xylenes, total	µg/L	NE	ND<0.38	ND<0.38	ND<0.38	ND<0.38	**1.1**

ND- Not detected at a concentration greater than the listed method detection limit

WQO[1]- Water Quality Objectives for non-beneficial use groundwater under Resolution 68-16

RL- Practical Quantitation Limit

J - Estimated concentration below the RL and above the method detection limit

- Not Analyzed

Table 3-2
Summary of Groundwater Analyses
Palomar Airport Landfill
Carlsbad, California

			Unit 2 - Perched Groundwater					Unit 3 - Perched Groundwater			
			MW-8	MW-12	MW-18	MW-25	MW-27	MW-7	MW-16	MW-20	MW-29
	UNITS	WQO[1]	8/4/2005	8/4/2005	8/5/2005	8/4/2005	8/5/2005	8/4/2005	8/5/2005	8/5/2005	8/5/2005
General Chemistry											
Bicarbonate	mg/L	NE	350	ND<0.85	6.9	ND<0.85	170	170	ND<0.85	78	ND<0.85
Carbonate	mg/L	NE	ND<0.85	ND<0.85	ND<0.85	ND<0.85	ND<0.85	ND<0.85	ND<0.85	ND<0.85	ND<0.85
Chemical Oxygen Demand	mg/L	NE	530	440	440	420	380	800	780	49	220
Chloride	mg/L	800	**11000**	**5700**	**10000**	**6200**	**13000**	**11000**	**8500**	190	**1800**
Conductivity	mS/cm	NE	1805	1515	1697	17200	-	2100	1752	594	1431
Nitrate (as N)	mg/L	NE	0.068J	0.062J	1.0	1.3	8.6	0.16	ND<0.029	13	0.77
pH	pH	6.0-9.0	**5.7**	**3.3**	6.4	6.3	8.2	**5.8**	**4**	7.1	8.8
Sulfate	mg/L	500	**2900**	**7800**	**3000**	**3500**	**1400**	**1500**	**17000**	110	**4100**
Total Dissolved Solids	mg/L	3500	**19000**	**16000**	**13000**	**14000**	**18000**	**20000**	**39000**	730	**7700**
Metals, Dissolved											
Antimony	mg/L	NE	ND<0.00209	ND<0.00209	ND<0.00209	ND<0.00209	ND<0.00209	ND<0.00209	ND<0.0209	ND<0.00209	ND<0.00209
Arsenic	mg/L	NE	ND<0.00308	ND<0.00308	ND<0.00308	ND<0.00308	ND<0.00308	0.00361J	ND<0.0308	ND<0.00308	ND<0.00308
Barium	mg/L	NE	0.0738	0.0153	0.0326	0.0173	0.0764	0.0801	ND<0.00719	0.0202	0.0193
Beryllium	mg/L	NE	ND<0.000176	0.0787	0.00637	0.0391	0.000347J	ND<0.000176	0.221	ND<0.000176	0.0205
Cadmium	mg/L	NE	ND<0.00035	0.0317	0.00803	0.0186	0.0698	0.00374J	0.0330J	ND<0.00035	ND<0.00035
Calcium	mg/L	NE	1630	635	1470	894	2740	2700	656	16.4	438
Chromium (III and VI)	mg/L	NE	0.0126 B	0.0579 B	0.0141 B	0.0174 B	0.0145 B	0.0121 B	3.04 B	0.00163 J,B	0.0691 B
Cobalt	mg/L	NE	0.185	0.896	0.139	0.461	0.347	0.0355	3.46	ND<0.000696	0.175
Copper	mg/L	NE	ND<0.00134	0.0729	0.049	0.0763	ND<0.00134	0.029	0.405	0.00653	0.0554
Iron	mg/L	0.3	**11.9**	**24.4**	**16.8**	**0.505**	ND<0.00784	**0.551**	**958**	0.0614J	**0.774**
Lead	mg/L	NE	ND<0.00236	0.0233	ND<0.00236	0.00782J	ND<0.00236	ND<0.00236	0.0825J	ND<0.00236	0.00507 J
Magnesium	mg/L	NE	1280	1640	1050	1080	1530	921	3940	29	278
Manganese	mg/L	0.05	**20.9**	ND<0.000689	**5.98**	**24.1**	**38.3**	**5.92**	**150**	0.0166	**0.933**
Mercury	mg/L	NE	ND<0.0000672	0.000107J	ND<0.0000672	0.000071 J	ND<0.0000672	ND<0.0000672	ND<0.0000672	ND<0.0000672	0.00244
Molybdenum	mg/L	NE	ND<0.0008	ND<0.0008	ND<0.0008	ND<0.0008	ND<0.0008	ND<0.0008	ND<0.008	ND<0.0008	ND<0.0008
Nickel	mg/L	NE	0.286	1.26	0.173	0.615	0.808	0.69	7.05	ND<0.00137	0.223
Potassium	mg/L	NE	61.3	50.5	62.8	33.6	91.7	81.3	59.5	2.63	73.3
Selenium	mg/L	NE	ND<0.00295	0.00361J	ND<0.00295	0.017	ND<0.00295	ND<0.00295	ND<0.0295	0.00890J	ND<0.00295
Silver	mg/L	NE	0.00466J	ND<0.0004	0.00260J	ND<0.0004	0.012	0.00647	ND<0.004	ND<0.0004	ND<0.0004
Sodium	mg/L	NE	3520	2100	3850	2060	2940	2810	3000	166	1550
Thallium	mg/L	NE	0.0143J	ND<0.00233	0.00748 J, B	ND<0.00233	0.0128 J,B	0.0179	ND<0.0233	ND<0.00233	ND<0.00233
Vanadium	mg/L	NE	ND<0.000314	0.0196	ND<0.000314	ND<0.000314	ND<0.000314	ND<0.000314	0.179	0.00206J	ND<0.000314
Zinc	mg/L	NE	0.13	4.08	0.612	1.66	0.606	0.131	12.6	0.00906J	0.29

Table 3-2
Summary of Groundwater Analyses
Palomar Airport Landfill
Carlsbad, California

			Unit 2 - Perched Groundwater					Unit 3 - Perched Groundwater			
			MW-8	MW-12	MW-18	MW-25	MW-27	MW-7	MW-16	MW-20	MW-29
	UNITS	WQO[1]	8/4/2005	8/4/2005	8/5/2005	8/4/2005	8/5/2005	8/4/2005	8/5/2005	8/5/2005	8/5/2005
Volatile Organic Compounds (VOCs)											
1,1,1,2-Tetrachloroethane	µg/L	NE	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37
1,1,1-Trichloroethane	µg/L	NE	ND<0.32	ND<0.32	ND<0.32	ND<0.32	ND<0.32	ND<0.32	ND<0.32	ND<0.32	ND<0.32
1,1,2,2-Tetrachloroethane	µg/L	NE	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37
1,1,2-Trichloroethane	µg/L	NE	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54
1,1-Dichloroethane	µg/L	NE	**4**	ND<0.53	**1.3**	**9.1**	ND<0.53	ND<0.53	**0.80 J**	ND<0.53	**0.59 J**
1,1-Dichloroethene	µg/L	NE	ND<0.31	ND<0.31	**0.43 J**	**0.47 J**	ND<0.31	ND<0.31	**0.71 J**	ND<0.31	ND<0.31
1,1-Dichloropropene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21
1,2,3-Trichlorobenzene	µg/L	NE	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39
1,2,3-Trichloropropane	µg/L	NE	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3
1,2,4-Trichlorobenzene	µg/L	NE	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35
1,2,4-Trimethylbenzene	µg/L	NE	ND<0.26	**0.72 J**	ND<0.26	ND<0.26	ND<0.26	ND<0.26	ND<0.26	ND<0.26	ND<0.26
1,2-Dibromo-3-chloropropane	µg/L	NE	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
1,2-Dibromoethane	µg/L	NE	ND<0.81	ND<0.81	ND<0.81	ND<0.81	ND<0.81	ND<0.81	ND<0.81	ND<0.81	ND<0.81
1,2-Dichlorobenzene	µg/L	NE	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24
1,2-Dichloroethane	µg/L	NE	**0.30 J**	ND<0.22	ND<0.22	**0.58**	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22
1,2-Dichloropropane	µg/L	NE	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28
1,3,5-Trimethylbenzene	µg/L	NE	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19
1,3-Dichlorobenzene	µg/L	NE	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38
1,3-Dichloropropane	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
1,4-Dichlorobenzene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
2,2-Dichloropropane	µg/L	NE	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4
2-Butanone	µg/L	NE	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<4.2
2-Chlorotoluene	µg/L	NE	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24
2-Hexanone	µg/L	NE	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9
4-Chlorotoluene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
4-Methyl-2-pentanone	µg/L	NE	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4
Acetone	µg/L	NE	*ND<6.1*	*ND<6.1*	*ND<6.1*	***10***	*ND<6.1*	*ND<6.1*	*ND<6.1*	*ND<6.1*	***6.3 J***
Acrolein	µg/L	NE	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3
Acrylonitrile	µg/L	NE	ND<3.6	ND<3.6	ND<3.6	ND<3.6	ND<3.6	ND<3.6	ND<3.6	ND<3.6	ND<3.6
Benzene	µg/L	NE	**1.4**	**0.28 J**	**1.3**	**6.6**	ND<0.26	ND<0.26	**0.81**	ND<0.26	ND<0.26
Bromobenzene	µg/L	NE	ND<0.47	ND<0.47	ND<0.47	ND<0.47	ND<0.47	ND<0.47	ND<0.47	ND<0.47	ND<0.47
Bromochloromethane	µg/L	NE	ND<0.68	ND<0.68	ND<0.68	ND<0.68	ND<0.68	ND<0.68	ND<0.68	ND<0.68	ND<0.68
Bromodichloromethane	µg/L	NE	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27
Bromoform	µg/L	NE	ND<0.62	ND<0.62	ND<0.62	ND<0.62	ND<0.62	ND<0.62	ND<0.62	ND<0.62	ND<0.62
Bromomethane	µg/L	NE	ND<2.9	ND<2.9	ND<2.9	ND<2.9	ND<2.9	ND<2.9	ND<2.9	ND<2.9	ND<2.9

Table 3-2
Summary of Groundwater Analyses
Palomar Airport Landfill
Carlsbad, California

			Unit 2 - Perched Groundwater					Unit 3 - Perched Groundwater			
			MW-8	MW-12	MW-18	MW-25	MW-27	MW-7	MW-16	MW-20	MW-29
	UNITS	WQO[1]	8/4/2005	8/4/2005	8/5/2005	8/4/2005	8/5/2005	8/4/2005	8/5/2005	8/5/2005	8/5/2005
Volatile Organic Compounds (VOCs)											
Carbon tetrachloride	µg/L	NE	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42
Chlorobenzene	µg/L	NE	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36
Chloroethane	µg/L	NE	ND<0.52	ND<0.52	ND<0.52	ND<0.52	ND<0.52	ND<0.52	ND<0.52	ND<0.52	ND<0.52
Chloroform	µg/L	NE	ND<0.22	**0.24 J**	ND<0.22	**0.39 J**	ND<0.22	ND<0.22	ND<0.22	ND<0.22	**0.52 J**
Chloromethane	µg/L	NE	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8
cis-1,2-Dichloroethene	µg/L	NE	**13**	ND<0.35	**9.7**	**14**	ND<0.35	ND<0.35	**1.5**	ND<0.35	ND<0.35
cis-1,3-Dichloropropene	µg/L	NE	*ND<0.45*	*ND<0.45*	*ND<0.45*	*ND<0.45*	*ND<0.45*	*ND<0.45*	*ND<0.45*	*ND<0.45*	*ND<0.45*
Dibromochloromethane	µg/L	NE	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45
Dibromomethane	µg/L	NE	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42
Dichlorodifluoromethane	µg/L	NE	**3.5**	**25**	**5.3**	**13**	ND<0.27	**18**	**18**	ND<0.27	ND<0.27
Ethylbenzene	µg/L	NE	**0.19 J**	**0.43 J**	**0.58 J**	**0.53 J**	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17
Hexachlorobutadiene	µg/L	NE	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39
Isopropylbenzene (Cumene)	µg/L	NE	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24
Isopropyltoluene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21
Methylene chloride	µg/L	NE	ND<2.6	**5.3 J**	ND<2.6	**53**	ND<2.6	ND<2.6	ND<2.6	ND<2.6	**6.3 J**
Methyl tertiary butyl ether (MTBE)	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29
Naphthalene	µg/L	NE	ND<0.95	ND<0.95	ND<0.95	ND<0.95	ND<0.95	ND<0.95	ND<0.95	ND<0.95	ND<0.95
n-Butylbenzene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29
n-Propylbenzene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
sec-Butylbenzene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21
Styrene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29
tert-Butylbenzene	µg/L	NE	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17
Tetrachloroethene	µg/L	NE	**2.5**	**1.8**	**31**	**7.4**	ND<0.29	ND<0.29	**1.3**	ND<0.29	**2.8**
Toluene	µg/L	NE	ND<0.35	**1.5**	**1.6**	**8.0**	ND<0.35	ND<0.35	**1.1**	ND<0.35	ND<0.35
trans-1,2-Dichloroethene	µg/L	NE	**0.66 J**	ND<0.29	**2.4**	**1.4**	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29
trans-1,3-Dichloropropene	µg/L	NE	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31
Trichloroethene	µg/L	NE	**4.5**	ND<0.3	**25**	**11**	ND<0.3	ND<0.3	**2.2**	ND<0.3	**1.1**
Trichlorofluoromethane	µg/L	NE	**0.44 J**	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36
Vinyl chloride	µg/L	NE	**3.6**	**3.0**	**4.0**	**13**	ND<0.33	ND<0.33	**0.44J**	ND<0.33	ND<0.33
Xylenes, total	µg/L	NE	ND<0.38	**1.8**	**4.0**	**2.1**	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38

ND- Not detected at a concentration greater than the listed method detection limit

WQO[1]- Water Quality Objectives for non-beneficial use groundwater under Resolution 68-16

RL- Practical Quantitation Limit

J - Estimated concentration below the RL and above the method detection limit

- Not Analyzed

Table 3-3
Summary of Subdrain Sump Sample Analyses
Palomar Airport Landfill
Carlsbad, California

			SUMP	QCAB	QCTB
	UNITS	*WQO*	*8/15/2005*	*8/15/2005*	*8/15/2005*
Volatile Organic Compounds (VOCs)					
Bromoform	µg/L	NE	ND<0.62	ND<0.62	ND<0.62
Bromomethane	µg/L	NE	ND<2.9	ND<2.9	ND<2.9
Carbon tetrachloride	µg/L	NE	ND<0.42	ND<0.42	ND<0.42
Chlorobenzene	µg/L	NE	ND<0.36	ND<0.36	ND<0.36
Chloroethane	µg/L	NE	ND<0.52	ND<0.52	ND<0.52
Chloroform	µg/L	NE	ND<0.22	ND<0.22	ND<0.22
Chloromethane	µg/L	NE	ND<1.8	ND<1.8	ND<1.8
cis-1,2-Dichloroethene	µg/L	NE	**10**	ND<0.35	ND<0.35
cis-1,3-Dichloropropene	µg/L	NE	ND<0.45	ND<0.45	ND<0.45
Dibromochloromethane	µg/L	NE	ND<0.45	ND<0.45	ND<0.45
Dibromomethane	µg/L	NE	ND<0.42	ND<0.42	ND<0.42
Dichlorodifluoromethane	µg/L	NE	ND<0.27	ND<0.27	ND<0.27
Ethylbenzene	µg/L	NE	ND<1.9	ND<0.17	ND<0.17
Hexachlorobutadiene	µg/L	NE	ND<0.39	ND<0.39	ND<0.39
Isopropylbenzene (Cumene)	µg/L	NE	ND<0.24	ND<0.24	ND<0.24
Isopropyltoluene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21
Methylene chloride	µg/L	NE	ND<2.6	ND<2.6	ND<2.6
Methyl tertiary butyl ether (MTBE)	µg/L	NE	ND<0.29	ND<0.29	ND<0.29
Naphthalene	µg/L	NE	ND<0.95	ND<0.95	ND<0.95
n-Butylbenzene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29
n-Propylbenzene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3
sec-Butylbenzene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21
Styrene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29
tert-Butylbenzene	µg/L	NE	ND<0.17	ND<0.17	ND<0.17
Tetrachloroethene	µg/L	NE	**0.94 J**	ND<0.29	ND<0.29
Toluene	µg/L	NE	ND<0.35	ND<0.35	ND<0.35
trans-1,2-Dichloroethene	µg/L	NE	ND<0.28	ND<0.29	ND<0.29
trans-1,3-Dichloropropene	µg/L	NE	ND<0.31	ND<0.31	ND<0.31
Trichloroethene	µg/L	NE	**4.5**	ND<0.3	ND<0.3
Trichlorofluoromethane	µg/L	NE	ND<0.36	ND<0.36	ND<0.36
Vinyl chloride	µg/L	NE	**0.59**	ND<0.33	ND<0.33
Xylenes, total	µg/L	NE	ND<0.38	ND<0.38	ND<0.38

ND- Not detected at a concentration greater than the listed method detection limit

WQO[1]- Water Quality Objectives for non-beneficial use groundwater under Resolution 68-16

RL- Practical Quantitation Limit

J - Estimated concentration below the RL and above the method detection limit

- Not Analyzed

GeoSyntec Consultants

Table 3-3
Summary of Subdrain Sump Sample Analyses
Palomar Airport Landfill
Carlsbad, California

	UNITS	WQO	SUMP 8/15/2005	QCAB 8/15/2005	QCTB 8/15/2005
General Chemistry					
Bicarbonate	mg/L	NE	360	-	-
Carbonate	mg/L	NE	ND<0.85	-	-
Chemical Oxygen Demand	mg/L	NE	470	-	-
Chloride	mg/L	800	6200	-	-
Nitrate (as N)	mg/L	NE	0.32	-	-
Sulfate	mg/L	500	2000	-	-
Total Dissolved Solids	mg/L	3500	11000	-	-
Metals, Dissolved					
Calcium	mg/L	NE	1560	-	-
Magnesium	mg/L	NE	563	-	-
Potassium	mg/L	NE	52.7	-	-
Sodium	mg/L	NE	2050	-	-
Volatile Organic Compounds (VOCs)					
1,1,1,2-Tetrachloroethane	µg/L	NE	ND<0.37	ND<0.37	ND<0.37
1,1,1-Trichloroethane	µg/L	NE	ND<0.32	ND<0.32	ND<0.32
1,1,2,2-Tetrachloroethane	µg/L	NE	ND<0.37	ND<0.37	ND<0.37
1,1,2-Trichloroethane	µg/L	NE	ND<0.54	ND<0.54	ND<0.54
1,1-Dichloroethane	µg/L	NE	ND<0.53	ND<0.53	ND<0.53
1,1-Dichloroethene	µg/L	NE	ND<0.31	ND<0.31	ND<0.31
1,1-Dichloropropene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21
1,2,3-Trichlorobenzene	µg/L	NE	ND<0.39	ND<0.39	ND<0.39
1,2,3-Trichloropropane	µg/L	NE	ND<2.3	ND<2.3	ND<2.3
1,2,4-Trichlorobenzene	µg/L	NE	ND<0.35	ND<0.35	ND<0.35
1,2,4-Trimethylbenzene	µg/L	NE	ND<0.26	ND<0.26	ND<0.26
1,2-Dibromo-3-chloropropane	µg/L	NE	ND<2.5	ND<2.5	ND<2.5
1,2-Dibromoethane	µg/L	NE	ND<0.81	ND<0.81	ND<0.81
1,2-Dichlorobenzene	µg/L	NE	ND<0.81	ND<0.24	ND<0.24
1,2-Dichloroethane	µg/L	NE	ND<0.22	ND<0.22	ND<0.22
1,2-Dichloropropane	µg/L	NE	ND<0.28	ND<0.28	ND<0.28
1,3,5-Trimethylbenzene	µg/L	NE	ND<0.19	ND<0.19	ND<0.19
1,3-Dichlorobenzene	µg/L	NE	ND<0.38	ND<0.38	ND<0.38
1,3-Dichloropropane	µg/L	NE	ND<0.3	ND<0.3	ND<0.3
1,4-Dichlorobenzene	µg/L	NE	**1.6**	ND<0.3	ND<0.3
2,2-Dichloropropane	µg/L	NE	ND<0.4	ND<0.4	ND<0.4
2-Butanone	µg/L	NE	ND<4.2	ND<4.2	ND<4.2
2-Chlorotoluene	µg/L	NE	ND<0.24	ND<0.24	ND<0.24
2-Hexanone	µg/L	NE	ND<1.9	ND<1.9	ND<1.9
4-Chlorotoluene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3
4-Methyl-2-pentanone	µg/L	NE	ND<2.4	ND<2.4	ND<2.4
Acetone	µg/L	NE	ND<6.1	**8.9J**	ND<6.1
Acrolein	µg/L	NE	ND<4.3	ND<4.3	ND<4.3
Acrylonitrile	µg/L	NE	ND<3.6	ND<3.6	ND<3.6
Benzene	µg/L	NE	**0.49 J**	ND<0.26	ND<0.26
Bromobenzene	µg/L	NE	ND<0.47	ND<0.47	ND<0.47
Bromochloromethane	µg/L	NE	ND<0.68	ND<0.68	ND<0.68
Bromodichloromethane	µg/L	NE	ND<0.27	ND<0.27	ND<0.27

Table 3-2
Summary of Groundwater Analyses
Palomar Airport Landfill
Carlsbad, California

			QA/QC			
			QCFB		QCTB	
	UNITS	WQO[1]	8/4/2005	8/5/2005	8/4/2005	8/5/2005
Volatile Organic Compounds (VOCs)						
Carbon tetrachloride	µg/L	NE	ND<0.42	ND<0.42	ND<0.42	ND<0.42
Chlorobenzene	µg/L	NE	ND<0.36	ND<0.36	ND<0.36	ND<0.36
Chloroethane	µg/L	NE	ND<0.52	ND<0.52	ND<0.52	ND<0.52
Chloroform	µg/L	NE	**0.51J**	**1.1**	ND<0.22	ND<0.22
Chloromethane	µg/L	NE	ND<1.8	ND<1.8	ND<1.8	ND<1.8
cis-1,2-Dichloroethene	µg/L	NE	ND<0.35	ND<0.35	ND<0.35	ND<0.35
cis-1,3-Dichloropropene	µg/L	NE	ND<0.45	ND<0.45	ND<0.45	ND<0.45
Dibromochloromethane	µg/L	NE	ND<0.45	ND<0.45	ND<0.45	ND<0.45
Dibromomethane	µg/L	NE	ND<0.42	ND<0.42	ND<0.42	ND<0.42
Dichlorodifluoromethane	µg/L	NE	ND<0.27	ND<0.27	ND<0.27	ND<0.27
Ethylbenzene	µg/L	NE	ND<0.17	ND<0.17	ND<0.17	ND<0.17
Hexachlorobutadiene	µg/L	NE	ND<0.39	ND<0.39	ND<0.39	ND<0.39
Isopropylbenzene (Cumene)	µg/L	NE	ND<0.24	ND<0.24	ND<0.24	ND<0.24
Isopropyltoluene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21	ND<0.21
Methylene chloride	µg/L	NE	ND<2.6	ND<2.6	ND<2.6	ND<2.6
Methyl tertiary butyl ether (MTBE)	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29
Naphthalene	µg/L	NE	ND<0.95	ND<0.95	ND<0.95	ND<0.95
n-Butylbenzene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29
n-Propylbenzene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3
sec-Butylbenzene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21	ND<0.21
Styrene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29
tert-Butylbenzene	µg/L	NE	ND<0.17	ND<0.17	ND<0.17	ND<0.17
Tetrachloroethene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29
Toluene	µg/L	NE	ND<0.35	ND<0.35	ND<0.35	ND<0.35
trans-1,2-Dichloroethene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29
trans-1,3-Dichloropropene	µg/L	NE	ND<0.31	ND<0.31	ND<0.31	ND<0.31
Trichloroethene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3
Trichlorofluoromethane	µg/L	NE	ND<0.36	ND<0.36	ND<0.36	ND<0.36
Vinyl chloride	µg/L	NE	ND<0.33	ND<0.33	ND<0.33	ND<0.33
Xylenes, total	µg/L	NE	ND<0.38	ND<0.38	ND<0.38	ND<0.38

ND- Not detected at a concentration greater than the listed method detection limit

WQO[1]- Water Quality Objectives for non-beneficial use groundwater under Resolution 68-16

RL- Practical Quantitation Limit

J - Estimated concentration below the RL and above the method detection limit

- Not Analyzed

Table 3-2
Summary of Groundwater Analyses
Palomar Airport Landfill
Carlsbad, California

			QA/QC			
			QCFB		QCTB	
	UNITS	WQO[1]	8/4/2005	8/5/2005	8/4/2005	8/5/2005
Volatile Organic Compounds (VOCs)						
1,1,1,2-Tetrachloroethane	µg/L	NE	ND<0.37	ND<0.37	ND<0.37	ND<0.37
1,1,1-Trichloroethane	µg/L	NE	ND<0.32	ND<0.32	ND<0.32	ND<0.32
1,1,2,2-Tetrachloroethane	µg/L	NE	ND<0.37	ND<0.37	ND<0.37	ND<0.37
1,1,2-Trichloroethane	µg/L	NE	ND<0.54	ND<0.54	ND<0.54	ND<0.54
1,1-Dichloroethane	µg/L	NE	ND<0.53	ND<0.53	ND<0.53	ND<0.53
1,1-Dichloroethene	µg/L	NE	ND<0.31	ND<0.31	ND<0.31	ND<0.31
1,1-Dichloropropene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21	ND<0.21
1,2,3-Trichlorobenzene	µg/L	NE	ND<0.39	ND<0.39	ND<0.39	ND<0.39
1,2,3-Trichloropropane	µg/L	NE	ND<2.3	ND<2.3	ND<2.3	ND<2.3
1,2,4-Trichlorobenzene	µg/L	NE	ND<0.35	ND<0.35	ND<0.35	ND<0.35
1,2,4-Trimethylbenzene	µg/L	NE	ND<0.26	ND<0.26	ND<0.26	ND<0.26
1,2-Dibromo-3-chloropropane	µg/L	NE	ND<2.5	ND<2.5	ND<2.5	ND<2.5
1,2-Dibromoethane	µg/L	NE	ND<0.81	ND<0.81	ND<0.81	ND<0.81
1,2-Dichlorobenzene	µg/L	NE	ND<0.24	ND<0.24	ND<0.24	ND<0.24
1,2-Dichloroethane	µg/L	NE	ND<0.22	ND<0.22	ND<0.22	ND<0.22
1,2-Dichloropropane	µg/L	NE	ND<0.28	ND<0.28	ND<0.28	ND<0.28
1,3,5-Trimethylbenzene	µg/L	NE	ND<0.19	ND<0.19	ND<0.19	ND<0.19
1,3-Dichlorobenzene	µg/L	NE	ND<0.38	ND<0.38	ND<0.38	ND<0.38
1,3-Dichloropropane	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3
1,4-Dichlorobenzene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3
2,2-Dichloropropane	µg/L	NE	ND<0.4	ND<0.4	ND<0.4	ND<0.4
2-Butanone	µg/L	NE	**11**	ND<4.2	ND<4.2	ND<4.2
2-Chlorotoluene	µg/L	NE	ND<0.24	ND<0.24	ND<0.24	ND<0.24
2-Hexanone	µg/L	NE	ND<1.9	ND<1.9	ND<1.9	ND<1.9
4-Chlorotoluene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3
4-Methyl-2-pentanone	µg/L	NE	ND<2.4	ND<2.4	ND<2.4	ND<2.4
Acetone	µg/L	NE	**7.9J**	ND<6.1	ND<6.1	ND<6.1
Acrolein	µg/L	NE	ND<4.3	ND<4.3	ND<4.3	ND<4.3
Acrylonitrile	µg/L	NE	ND<3.6	ND<3.6	ND<3.6	ND<3.6
Benzene	µg/L	NE	ND<0.26	ND<0.26	ND<0.26	ND<0.26
Bromobenzene	µg/L	NE	ND<0.47	ND<0.47	ND<0.47	ND<0.47
Bromochloromethane	µg/L	NE	ND<0.68	ND<0.68	ND<0.68	ND<0.68
Bromodichloromethane	µg/L	NE	ND<0.27	ND<0.27	ND<0.27	ND<0.27
Bromoform	µg/L	NE	ND<0.62	ND<0.62	ND<0.62	ND<0.62
Bromomethane	µg/L	NE	ND<2.9	ND<2.9	ND<2.9	ND<2.9

Table 3-2
Summary of Groundwater Analyses
Palomar Airport Landfill
Carlsbad, California

			QA/QC			
			QCFB		QCTB	
	UNITS	WQO[1]	8/4/2005	8/5/2005	8/4/2005	8/5/2005
General Chemistry						
Bicarbonate	mg/L	NE	-	-	-	-
Carbonate	mg/L	NE	-	-	-	-
Chemical Oxygen Demand	mg/L	NE	-	-	-	-
Chloride	mg/L	800	-	-	-	-
Conductivity	mS/cm	NE	-	-	-	-
Nitrate (as N)	mg/L	NE	-	-	-	-
pH	pH	6.0-9.0	-	-	-	-
Sulfate	mg/L	500	-	-	-	-
Total Dissolved Solids	mg/L	3500	-	-	-	-
Metals, Dissolved						
Antimony	mg/L	NE	-	-	-	-
Arsenic	mg/L	NE	-	-	-	-
Barium	mg/L	NE	-	-	-	-
Beryllium	mg/L	NE	-	-	-	-
Cadmium	mg/L	NE	-	-	-	-
Calcium	mg/L	NE	-	-	-	-
Chromium (III and VI)	mg/L	NE	-	-	-	-
Cobalt	mg/L	NE	-	-	-	-
Copper	mg/L	NE	-	-	-	-
Iron	mg/L	0.3	-	-	-	-
Lead	mg/L	NE	-	-	-	-
Magnesium	mg/L	NE	-	-	-	-
Manganese	mg/L	0.05	-	-	-	-
Mercury	mg/L	NE	-	-	-	-
Molybdenum	mg/L	NE	-	-	-	-
Nickel	mg/L	NE	-	-	-	-
Potassium	mg/L	NE	-	-	-	-
Selenium	mg/L	NE	-	-	-	-
Silver	mg/L	NE	-	-	-	-
Sodium	mg/L	NE	-	-	-	-
Thallium	mg/L	NE	-	-	-	-
Vanadium	mg/L	NE	-	-	-	-
Zinc	mg/L	NE	-	-	-	-

Table 3-2
Summary of Groundwater Analyses
Palomar Airport Landfill
Carlsbad, California

			Deep Groundwater						
			MW-6	MW-9	MW-15	MW-19	MW-21	MW-22	MW-26
	UNITS	WQO[1]	8/4/2005	8/5/2005	8/4/2005	8/4/2005	8/4/2005	8/5/2005	8/4/2005
Volatile Organic Compounds (VOCs)									
Carbon tetrachloride	µg/L	NE	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42
Chlorobenzene	µg/L	NE	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36
Chloroethane	µg/L	NE	ND<0.52	ND<0.52	ND<0.52	ND<0.52	ND<0.52	ND<0.52	ND<0.52
Chloroform	µg/L	NE	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22
Chloromethane	µg/L	NE	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8	ND<1.8
cis-1,2-Dichloroethene	µg/L	NE	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35
cis-1,3-Dichloropropene	µg/L	NE	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45
Dibromochloromethane	µg/L	NE	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45
Dibromomethane	µg/L	NE	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.42
Dichlorodifluoromethane	µg/L	NE	**1.7**	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27
Ethylbenzene	µg/L	NE	**0.29 J**	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17
Hexachlorobutadiene	µg/L	NE	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39
Isopropylbenzene (Cumene)	µg/L	NE	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24
Isopropyltoluene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21
Methylene chloride	µg/L	NE	ND<2.6	ND<2.6	ND<2.6	ND<2.6	ND<2.6	ND<2.6	ND<2.6
Methyl tertiary butyl ether (MTBE)	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29
Naphthalene	µg/L	NE	ND<0.95	ND<0.95	ND<0.95	ND<0.95	ND<0.95	ND<0.95	ND<0.95
n-Butylbenzene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29
n-Propylbenzene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
sec-Butylbenzene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21
Styrene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29
tert-Butylbenzene	µg/L	NE	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17	ND<0.17
Tetrachloroethene	µg/L	NE	ND<0.29	**0.83 J**	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29
Toluene	µg/L	NE	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35
trans-1,2-Dichloroethene	µg/L	NE	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29
trans-1,3-Dichloropropene	µg/L	NE	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31
Trichloroethene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
Trichlorofluoromethane	µg/L	NE	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36	ND<0.36
Vinyl chloride	µg/L	NE	ND<0.33	ND<0.33	ND<0.33	ND<0.33	ND<0.33	ND<0.33	ND<0.33
Xylenes, total	µg/L	NE	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38

ND- Not detected at a concentration greater than the listed method detection limit

WQO[1]- Water Quality Objectives for non-beneficial use groundwater under Resolution 68-16

RL- Practical Quantitation Limit

J - Estimated concentration below the RL and above the method detection limit

- Not Analyzed

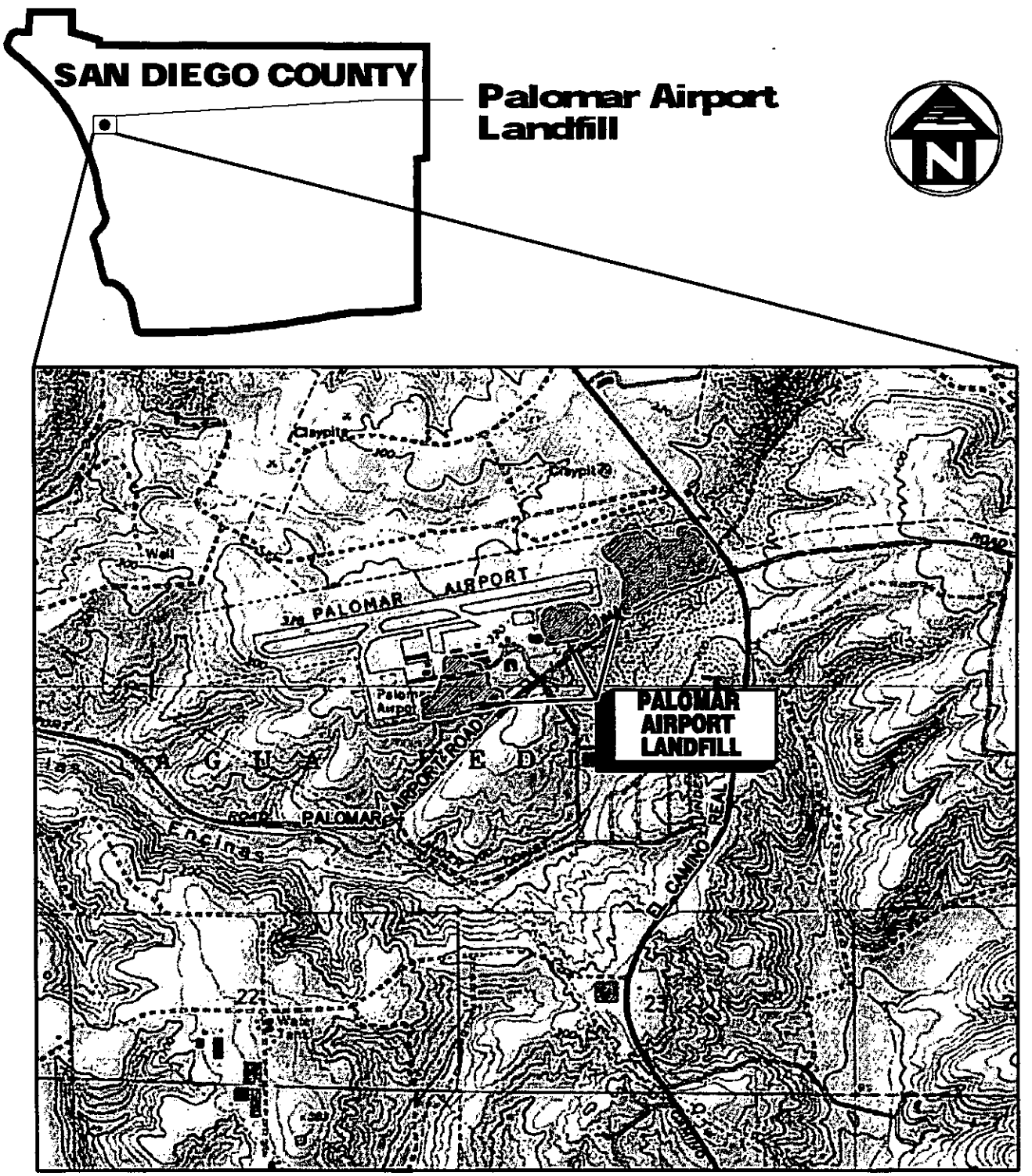
Table 3-2
Summary of Groundwater Analyses
Palomar Airport Landfill
Carlsbad, California

			Deep Groundwater						
			MW-6	MW-9	MW-15	MW-19	MW-21	MW-22	MW-26
	UNITS	WQO[1]	8/4/2005	8/5/2005	8/4/2005	8/4/2005	8/4/2005	8/5/2005	8/4/2005
Volatile Organic Compounds (VOCs)									
1,1,1,2-Tetrachloroethane	µg/L	NE	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37
1,1,1-Trichloroethane	µg/L	NE	ND<0.32	ND<0.32	ND<0.32	ND<0.32	ND<0.32	ND<0.32	ND<0.32
1,1,2,2-Tetrachloroethane	µg/L	NE	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37
1,1,2-Trichloroethane	µg/L	NE	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54
1,1-Dichloroethane	µg/L	NE	ND<0.53	ND<0.53	ND<0.53	ND<0.53	ND<0.53	ND<0.53	ND<0.53
1,1-Dichloroethene	µg/L	NE	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31	ND<0.31
1,1-Dichloropropene	µg/L	NE	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21	ND<0.21
1,2,3-Trichlorobenzene	µg/L	NE	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39	ND<0.39
1,2,3-Trichloropropane	µg/L	NE	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3
1,2,4-Trichlorobenzene	µg/L	NE	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35	ND<0.35
1,2,4-Trimethylbenzene	µg/L	NE	ND<0.26	ND<0.26	ND<0.26	ND<0.26	ND<0.26	ND<0.26	ND<0.26
1,2-Dibromo-3-chloropropane	µg/L	NE	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
1,2-Dibromoethane	µg/L	NE	ND<0.81	ND<0.81	ND<0.81	ND<0.81	ND<0.81	ND<0.81	ND<0.81
1,2-Dichlorobenzene	µg/L	NE	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24
1,2-Dichloroethane	µg/L	NE	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22	ND<0.22
1,2-Dichloropropane	µg/L	NE	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28	ND<0.28
1,3,5-Trimethylbenzene	µg/L	NE	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19	ND<0.19
1,3-Dichlorobenzene	µg/L	NE	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38	ND<0.38
1,3-Dichloropropane	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
1,4-Dichlorobenzene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
2,2-Dichloropropane	µg/L	NE	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4
2-Butanone	µg/L	NE	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<4.2
2-Chlorotoluene	µg/L	NE	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24	ND<0.24
2-Hexanone	µg/L	NE	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9
4-Chlorotoluene	µg/L	NE	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
4-Methyl-2-pentanone	µg/L	NE	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4
Acetone	µg/L	NE	ND<6.1	ND<6.1	ND<6.1	ND<6.1	ND<6.1	ND<6.1	ND<6.1
Acrolein	µg/L	NE	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3
Acrylonitrile	µg/L	NE	ND<3.6	ND<3.6	ND<3.6	ND<3.6	ND<3.6	ND<3.6	ND<3.6
Benzene	µg/L	NE	ND<0.26	ND<0.26	ND<0.26	ND<0.26	ND<0.26	ND<0.26	ND<0.26
Bromobenzene	µg/L	NE	ND<0.47	ND<0.47	ND<0.47	ND<0.47	ND<0.47	ND<0.47	ND<0.47
Bromochloromethane	µg/L	NE	ND<0.68	ND<0.68	ND<0.68	ND<0.68	ND<0.68	ND<0.68	ND<0.68
Bromodichloromethane	µg/L	NE	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27	ND<0.27
Bromoform	µg/L	NE	ND<0.62	ND<0.62	ND<0.62	ND<0.62	ND<0.62	ND<0.62	ND<0.62
Bromomethane	µg/L	NE	ND<2.9	ND<2.9	ND<2.9	ND<2.9	ND<2.9	ND<2.9	ND<2.9

Table 3-2
Summary of Groundwater Analyses
Palomar Airport Landfill
Carlsbad, California

			Deep Groundwater						
			MW-6	MW-9	MW-15	MW-19	MW-21	MW-22	MW-26
	UNITS	WQO[1]	8/4/2005	8/5/2005	8/4/2005	8/4/2005	8/4/2005	8/5/2005	8/4/2005
General Chemistry									
Bicarbonate	mg/L	NE	260	380	100	52	110	410	44
Carbonate	mg/L	NE	ND<0.85	ND<0.85	ND<0.85	ND<0.85	ND<0.85	ND<0.85	ND<0.85
Chemical Oxygen Demand	mg/L	NE	450	26	69	110	31	15	41
Chloride	mg/L	800	**6900**	**1100**	**2200**	**2900**	**1400**	770	**1500**
Conductivity	mS/cm	NE	1993	3500	899	164	1510	1375	1485
Nitrate (as N)	mg/L	NE	0.24	ND<0.029	0.036J	ND<0.029	ND<0.029	0.036J	0.049J
pH	pH	6.0-9.0	6.1	6.5	6.7	6.8	7.3	8	8.8
Sulfate	mg/L	500	**2300**	**1500**	**2000**	**1900**	**1600**	**1100**	**1400**
Total Dissolved Solids	mg/L	3500	**15000**	**40000**	**4900**	**6900**	**4200**	3100	2800
Metals, Dissolved									
Antimony	mg/L	NE	ND<0.00209	ND<0.00209	ND<0.00209	ND<0.00209	ND<0.00209	ND<0.00209	ND<0.00209
Arsenic	mg/L	NE	ND<0.00308	ND<0.00308	ND<0.00308	ND<0.00308	ND<0.00308	ND<0.00308	ND<0.00308
Barium	mg/L	NE	0.0378	0.0188	0.0241	0.0243	0.0148	0.0127	0.197
Beryllium	mg/L	NE	0.00795	ND<0.000176	ND<0.000176	ND<0.000176	ND<0.000176	ND<0.000176	ND<0.000176
Cadmium	mg/L	NE	0.0554	ND<0.00035	ND<0.00035	ND<0.00035	ND<0.00035	ND<0.00035	ND<0.00035
Calcium	mg/L	NE	1130	477	749	939	221	240	329
Chromium (III and VI)	mg/L	NE	0.0132 B	0.00348 J, B	0.00312 J, B	0.00320 J, B	0.00301 J,B	0.00293 J, B	0.00229 J,B
Cobalt	mg/L	NE	1.83	0.000774J	0.00152J	0.00171J	0.000710J	0.00389J	ND<0.000696
Copper	mg/L	NE	0.00268J	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134
Iron	mg/L	0.3	**4.28**	**7.51**	ND<0.00784	ND<0.00784	ND<0.00784	**1.2**	ND<0.00784
Lead	mg/L	NE	ND<0.00236	ND<0.00236	ND<0.00236	ND<0.00236	ND<0.00236	ND<0.00236	ND<0.00236
Magnesium	mg/L	NE	1430	173	149	127	104	116	43.4
Manganese	mg/L	0.05	**28.8**	**0.148**	**0.299**	**0.447**	**0.577**	**0.25**	**0.0538**
Mercury	mg/L	NE	ND<0.0000672	ND<0.0000672	ND<0.0000672	ND<0.0000672	ND<0.0000672	ND<0.0000672	ND<0.0000672
Molybdenum	mg/L	NE	ND<0.0008	ND<0.0008	ND<0.0008	ND<0.0008	0.00845	0.00468J	0.00141J
Nickel	mg/L	NE	2.78	ND<0.00137	0.00265J	0.00492J	ND<0.00137	0.00258J	ND<0.00137
Potassium	mg/L	NE	48.4	8.44	12.1	16	7.03	8.17	17.1
Selenium	mg/L	NE	0.00815J	0.0133J	0.00654J	ND<0.00295	0.00616J	0.0121J	0.00456J
Silver	mg/L	NE	0.00239J	0.00162J	0.00186J	0.00240J	0.000761J	0.000801J	0.000980J
Sodium	mg/L	NE	1480	692	929	1300	1020	613	500
Thallium	mg/L	NE	0.00786J	0.00279 J, B	0.00815J	0.00667J	0.00355J	ND<0.00233	0.00360J
Vanadium	mg/L	NE	ND<0.000314	ND<0.000314	ND<0.000314	ND<0.000314	ND<0.000314	ND<0.000314	ND<0.000314
Zinc	mg/L	NE	2.83	0.00534J	0.0060J	0.00476J	0.00720J	0.00485J	0.0106

FIGURES



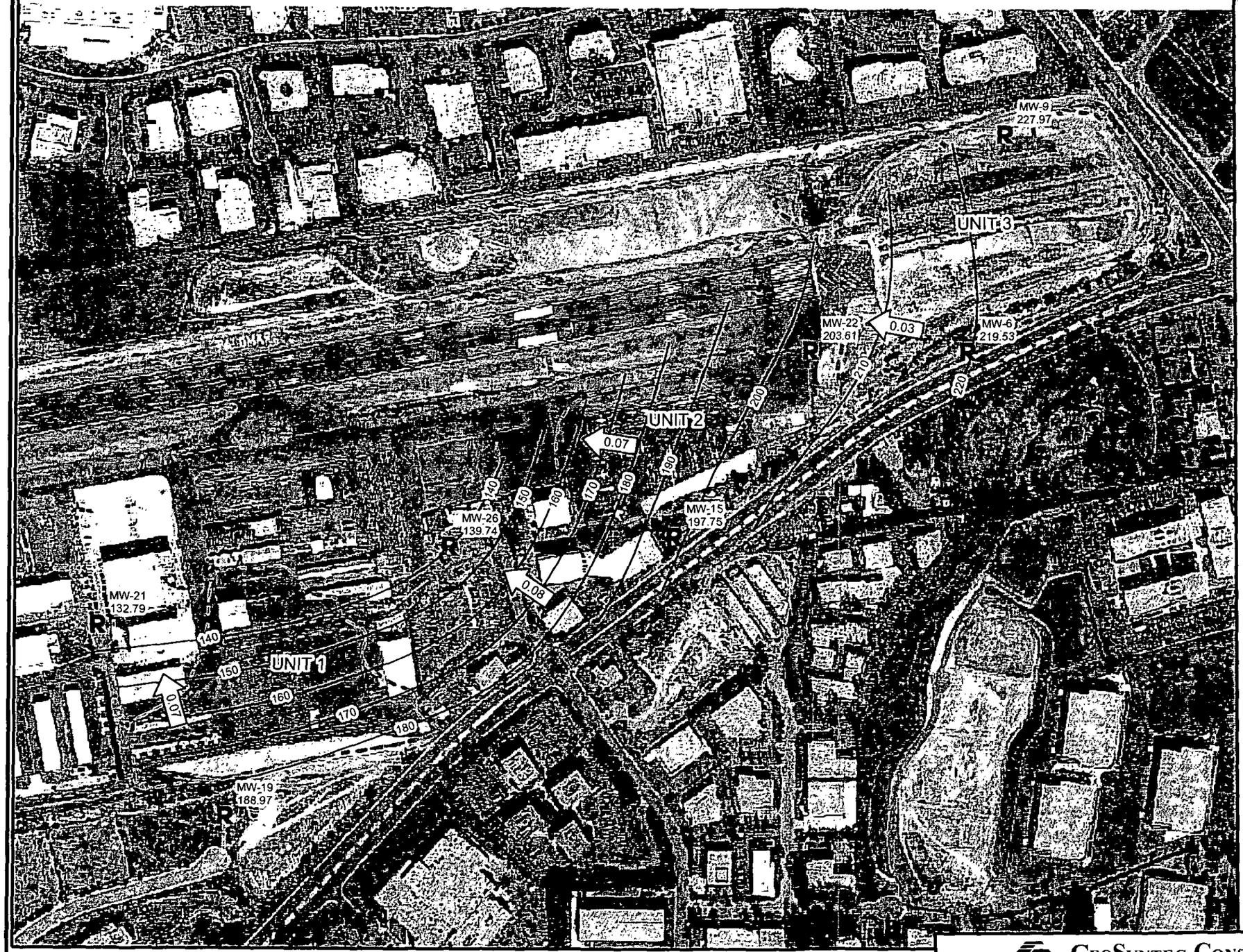
SOURCE:
NATIONAL GEOGRAPHIC (CALIFORNIA)
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM
POWERED BY TOPO

2,000 1,000 0 2,000 4,000
SCALE IN FEET

GEOSYNTEC CONSULTANTS

SITE LOCATION PALOMAR AIRPORT LANDFILL CARLSBAD, CALIFORNIA	FIGURE NO. 1-1 PROJECT NO. SC0226-9 DATE: OCTOBER 2005

P:\PRJ\SDCadd\CADD\Hs0345\Figures\Palomar-09\SC0226_PALOMAR-SITELOC.DWG 10/18/05 19:40 Administrator



LEGEND

R MW-21 128.22	DEEP GROUNDWATER MONITOR WELL WITH GROUNDATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- - - -	APPROXIMATE FILL BOUNDARY
———	GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL = 10 FEET)
0.03	APPROXIMATE GROUNDWATER FLOW DIRECTION AND HYDRAULIC GRADIENT (FT/FT)

400 200 0 400

SCALE IN FEET

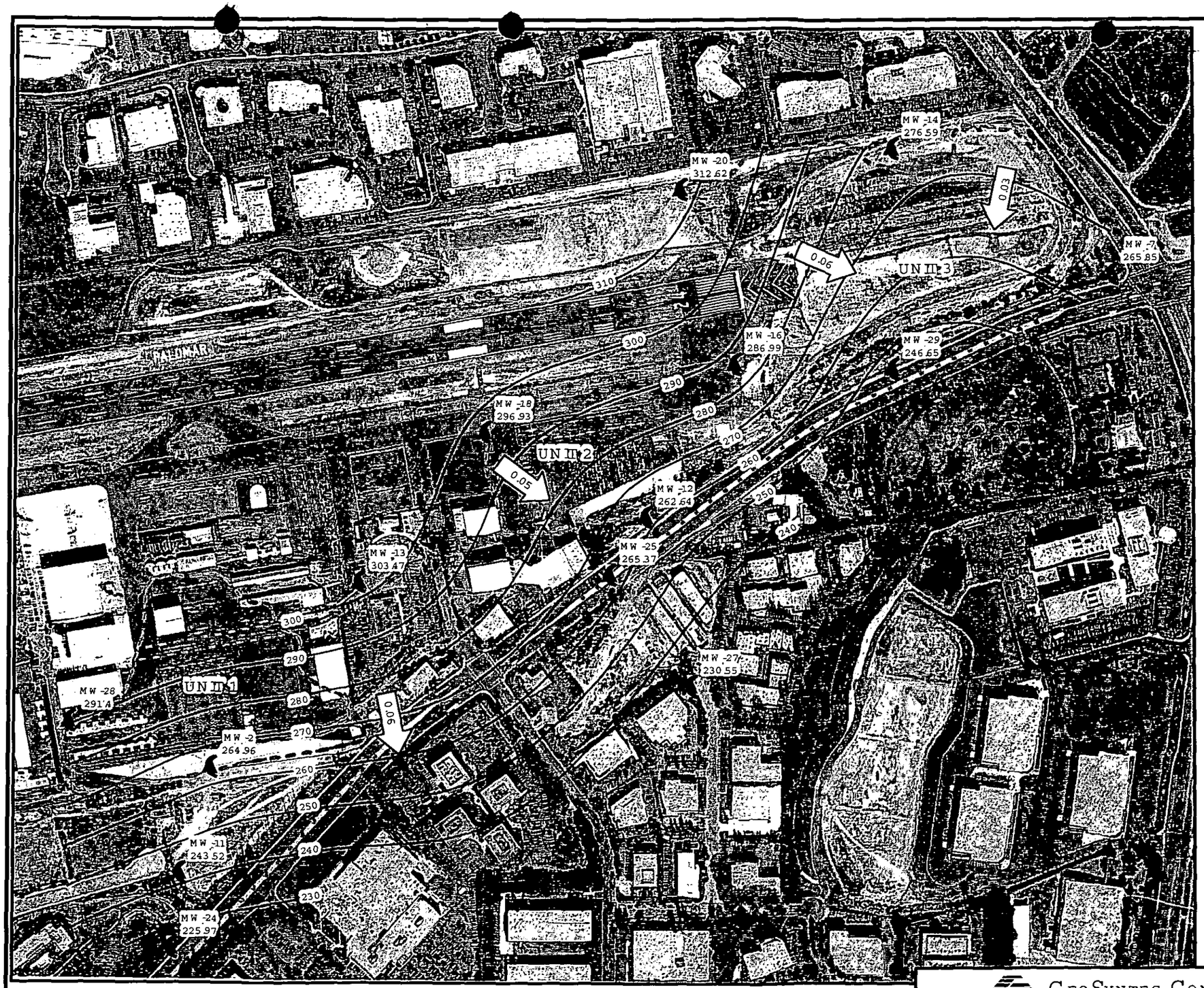
Photo : Hammon, Jenson, Wallace and Associates, Irvine CA. Date: 02-01-01

P:/GIS/Palomar/1Q05/fig2-3a.mxd

GeoSyntec Consultants

DEEP GROUNDWATER ELEVATIONS AND FLOW DIRECTION
4 AUGUST 2005
PALOMAR AIRPORT LANDFILL

FIGURE NO.	2-3
PROJECT NO.	SC0226-09
DATE:	OCTOBER 2005



LEGEND

MW -18 295.86 — SHALLOW GROUNDWATER MONITOR WELL WITH GROUNDATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

APPROXIMATE FILL BOUNDARY

GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL = 10 FEET)

INFERRED GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL = 10 FEET)

0.06 — APPROXIMATE GROUNDWATER FLOW DIRECTION AND HYDRAULIC GRADIENT (FT/FT)

400 200 0 400

SCALE IN FEET

*MW -8 not used in contouring shallow water level due to a deeper screened interval than surrounding wells.

Photo : Hammon, Jenson, Wallace and Associates, Irvine CA. Date: 02-01-01

GeoSyntec Consultants

SHALLOW GROUNDWATER ELEVATIONS AND FLOW DIRECTION
4 AUGUST 2005
PALOMAR AIRPORT LANDFILL

FIGURE NO.	2-2
PROJECT NO.	SC0226-09
DATE:	OCTOBER 2005

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400 200 0 400 Feet

Deep Monitor Well

Shallow Monitor Well

Approximate Subdrain Location

Destroyed Monitor Well

Infiltration Gallery

Photo:
Hammon, Jenson, Wallace and Associates, 02-01-01

P:/GIS/Palomar/SitePlan

GeoSyntec Consultants

SITE PLAN
PALOMAR AIRPORT LANDFILL
CARLSBAD, CALIFORNIA

FIGURE NO.	1
PROJECT NO.	SC0226
DATE:	APRIL 2005

Closed Disposal Site Inspection Report (188)

Enforcement Agency:	County of San Diego

SWIS Facility File Number (99-xx-9999)	Inspection Date	Program Code
37-AH-0002	7/29/2010	LEA Periodic

Time In	09:20	Time Out	13:20	Inspection Time	5.0

Facility Name	Received By
North Coastal SLF (Palomar Airport)	
Facility Location	**Owner Name**
2016 Palomar Airport Road, Carlsbad 92008	
Inspector	**Also Present (Name)**
Anthony Torres	

THE ABOVE FACILITY WAS INSPECTED FOR COMPLIANCE WITH APPLICABLE SECTIONS OF DIVISION 30 OF PUBLIC RESOURCES CODE (PRC) AND TITLE 14 AND TITLE 27 CALIFORNIA CODE OF REGULATIONS (CCR)

	No Violations or Areas of Concern

V	A	Regulations
	X	20750 - Site Maintenance
		Comments: 27 CCR 20750 – Site Maintenance: The subsurface soil gas venting systems within the airport terminal and airport restaurant were monitored using a Landtec GEM 2000+. The labcock valve to the monitoring point within the passenger waiting room in the airport terminal could not be opened and appears to be glued shut. The labcock housing to the subsurface venting system behind the restaurant was loose and needs to be secured for accurate test results. Corrective Actions: Immediately repair the labcock valves noted above. In additional, the operator shall evaluate and implement a preventative maintenance program to monitor and promptly repair or correct deteriorated or defective conditions. All other aspects of the disposal site shall be kept in a station of reasonable repair.
X		20921 - Gas Monitoring and Control
		Comments: 27 CCR 20921 – Gas Monitoring and Controls: During this LEA inspection, perimeter monitoring well GW-9A deep probe measured 5.9% methane gas by volume while MP-15 deep probe measured 4.1% methane, MP-15 shallow probe measured 4.0% methane and GW-10A deep probe measured 3.1% methane. The owner provided the LEA with written notification identifying GW-9A and MP-15 were monitored and tested below 5% methane on July 30, 2010. The probes are to be monitored again the following week. Corrective Actions: Provide the LEA with written monitoring results as they become available for perimeter probes that exceed 5% methane by volume. Continue to update the LEA monthly with monitoring results for all perimeter monitoring wells.
	X	20650 - Grading of Fill Surfaces
		Comments: 27 CCR 20650 – Grading of Fill Surfaces: Minor settlement continues on Unit I and Unit II of the landfill. The area in front of Port-O-Port #42 has subsided 4” since resurfacing in 2008. Asphalt is also buckling behind Port-O-Port #42 which could contribute to ponding and landfill gas migration. Landfill gas monitoring was conducted using a RKI Eagle combustible gas indicator two inches above the cracks behind Port-O-Port #42 and no landfill gas was detected. The operator has completed a feasibility study on the landfill to evaluate differential settlement. Corrective Actions: Upon receipt of the feasibility study final report, provide the LEA with a copy for review. Make the necessary repairs to the asphalt as needed to minimize ponding and other landfill gas impacts.

Inspection Report Comments:

Observations:
The six month test results for the landfill gas monitoring sensors within the airport terminal and restaurant (6/14/10) and within Jet Source terminal (3/8/10) were reviewed and documented as operational. The six month test results for the sensors within Magellan Aviation had not been documented but were identified as tested and operational by Sandy Walker of Magellan Aviation. Immediately begin documenting the six month test result by activating the methane sensor and make test results available for review.

Upon completion of the proposed Magellan Aviation Development, Magellan Aviation shall submit a written report to the LEA identifying the proposed installation of the sub-slab soil gas venting systems and sub-slab gas barrier membrane system was installed, tested and operational in accordance with engineering design submitted to the LEA.

The airport terminal and restaurant subsurface soil gas venting system was monitored for landfill gas using a Landtec GEM 2000+. Landfill gas was not detected in the subsurface venting system. See Table #1 for all monitoring results.

According to the Airport manager, the area along the northwest corner of Unit III was designed to divert water away from Unit III to prevent ponding. This area will be evaluated for ponding after the next wet weather event.

The runway resurfacing project was identified by the airport manager to be in Phase 6 of development and only some stripping and asphalt work remained. The estimated completion date is the first week of August 2010. All work is conducted at night while the airport runway is closed.

The surface monuments along the northern perimeter boundary above the ATT electrical power line was surveyed on 12/9/2009 and requires a test every six months. Provide the LEA with the six month results by August 31, 2010.

The road resurfacing project along Airport Road leading to the Magellan Aviation and Jet Source leaseholds has been completed. As a result of resurfacing, a landfill gas extraction well casing will be raised to ground level.

The vegetation had been mowed along the side slopes and top of Unit III. A crew was observed cutting vegetation along the north perimeter during the inspection.

Ensure BMP’s are repaired around the site in anticipation of wet weather events.

The flare system was operational at the time of the inspection.

E-copy : Jason Forga, County of San Diego - DPW Landfill
Willie Vasquez, County of San Diego - Airport Manager
Michele Stress, (Michele.Stress@sdcounty.ca.gov)
Premier Jet, Craig Foster (cf@permierjet.com)
Gary Hartnett, APCD (Gary.Hartnett@sdcounty.ca.gov)
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Olivier Brackett, (Olivier.Brackett@sdcounty.ca.gov)

Closed Disposal Site Inspection Report (188)

Enforcement Agency:	County of San Diego

SWIS Facility File Number (99-xx-9999)	Inspection Date	Program Code
37-AH-0002	1/25/2010	LEA Periodic

Time In	12:00	Time Out	15:45	Inspection Time	4.2

Facility Name	Received By
North Coastal SLF (Palomar Airport)	
Facility Location	**Owner Name**
2016 Palomar Airport Road, Carlsbad 92008	
Inspector	**Also Present (Name)**
Anthony Torres	

THE ABOVE FACILITY WAS INSPECTED FOR COMPLIANCE WITH APPLICABLE SECTIONS OF DIVISION 30 OF PUBLIC RESOURCES CODE (PRC) AND TITLE 14 AND TITLE 27 CALIFORNIA CODE OF REGULATIONS (CCR)

	No Violations or Areas of Concern

V	A	Regulations
	X	20750 - Site Maintenance
		Comments: 27 CCR 20750 – Site Maintenance: Potential ground water was observed leaking out of a side wall crack of the drainage system located up on the side slope north of the flare station in Unit I (photo #1). Both drainage culverts were dry with the exception of the leaking crack. A similar event was also observed at the bottom seam of the cement culvert that was sealed in March 2009. The pH was taken and measured 7.0. No odors were observed from the water. During 2008 storm drain improvements, a sink-hole occurred approximately 150 feet north of the storm drain outlet. The storm drain was evaluated by onsite contractors for integrity. Corrective Actions: The operator shall implement a preventative maintenance program to monitor and promptly repair or correct deteriorated or defective conditions with respect to state minimum standards. All other aspects of the disposal site shall be kept in a state of reasonable repair. Provide the LEA with the storm drain evaluation to ensure the integrity of the newly designed storm drain improvements will not impact buried waste by February 26, 2010. If the drain was found to be compromised, immediately make repair to ensure integrity of the road and side slope with buried waste.
	X	20921 - Gas Monitoring and Control
		Comments: 27 CCR 20921 – Gas Monitoring and Controls: Perimeter monitoring wells GW-9A measured 3.0% methane gas by volume in the deep probe while GW-10A measured 2.6% methane in the deep probe. The owner is currently providing the LEA with monthly monitoring results of the perimeter monitoring network and subsurface temperatures for nearby subsurface temperature probes. Corrective Actions: Continue to update the LEA monthly with monitoring results for both perimeter monitoring wells and subsurface temperature probe data. Monitoring frequency will be evaluated on an on-going basis.

Inspection Report Comments:

Observations:
The vegetation was cut back from within the cement drainage culvert along the southern side slope of Unit I to allow free flowing rain water run off. The block wall at the lower side slope of Unit I that minimizes flow impacts was temporarily repaired after being impacted from the recent rain events. Ensure that permanent repairs are made to the block wall.

The Airport manager provided for review the six month test report dated December 15, 2009 for the interior methane detection devices within the terminal airport, restaurant, and small FAA structure along the north perimeter. All the methane detection devices were documented to be in working condition. Ensure this test is completed every 6 months and records are available for review.

A settlement test report was also reviewed for the cement monuments installed for the new subsurface electrical and communications utility line that traverse through the northern edge of Unit 3 of the landfill dated 12/22/09. These test result will be used as the baseline for future test results as the initial geotechnical engineering evaluation to determine trench settlement potential was not available for review. Ensure this test is completed biannually as provided in writing to the LEA via electronic mail on October 10, 2008 from general contractor Reed Derek.

Upon completion of the Magellan Aviation development project, Magellan Aviation shall submit the Quality Assurance/Quality Control report for the installation of the sub-slab soil gas venting systems and sub-slab gas barrier membrane system to be installed as part of the proposed project. The metal framing to the last new office building was completed and the side framing was in process.

Perimeter monitoring wells were monitored for landfill gas using a Landtec GEM2000 plus with a carbon filter. The deep perimeter probe for MP-1R was observed with pressure upon opening the test valve and contained 3” of water in the well casing. IMP-7 also contained 2” of water in the casing. See Table #1 for all monitoring results.

Contractors were observed on site preparing to conduct a field survey of Airport Road for road improvements. Ensure the LEA is provided with the road improvement design for review and approval prior to initiating construction.

Some standing water was observed at Units I-III of the landfill from recent rain events. Ensure that standing water is removed from the above the asphalt within 24 hours following rain events. Unpaved grades shall also be sloped to promote lateral run off to prevent ponding.

The flare system was operational during the inspection.

E-copy : Jason Forga, County of San Diego - DPW Landfill
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Closed Disposal Site Inspection Report (188)

Enforcement Agency:	County of San Diego

SWIS Facility File Number (99-xx-9999)	Inspection Date	Program Code
37-AH-0002	8/23/2011	LEA Periodic

Time In	10:00	Time Out	1:00	Inspection Time	5

Facility Name	Received By
North Coastal SLF (Palomar Airport)	
Facility Location	**Owner Name**
2016 Palomar Airport Road, Carlsbad 92008	County of San Diego
Inspector	**Also Present (Name)**
M. Porter	T. Torres

THE ABOVE FACILITY WAS INSPECTED FOR COMPLIANCE WITH APPLICABLE SECTIONS OF DIVISION 30 OF PUBLIC RESOURCES CODE (PRC) AND TITLE 14 AND TITLE 27 CALIFORNIA CODE OF REGULATIONS (CCR)

	No Violations or Areas of Concern

V	A	Regulations
	X	20650 - Grading of Fill Surfaces
		Comments: Repairs to the previously noted area of depression/ erosion rill near the “24” sign at the northeast corner of the runway have not been performed. The area was pointed out to the DPW work crew onsite at the time of the inspection. The crew will report this area to DPW for future actions. This general area had been graded as part of the runway improvement project completed in 2010 and has been observed holding water after rain events ever since. Corrective Actions: Covered surfaces of the disposal site shall be graded to promote lateral runoff of precipitation and to prevent ponding. Grades shall be established with sufficient slope to account for future settlement of the fill surface. By September 1, 2011, provide the LEA with a written update/plan for actions to be taken in this area to minimize ponding.
	X	21140 - Final Cover
		Comments: Final cover east of the down drain on the south side slope on Unit I is continuing to be impacted by vector activity. Other minor vector activity was observed along the southern side slope of Units II and III. Corrective Actions: The final cover shall function with minimal maintenance and provide waste containment to protect public health and safety by controlling at a minimum, vectors, fires, odor, litter and landfill gas migration. Evaluate the final cover and make the necessary repairs as needed.

Inspection Report Comments:

Corrective Actions Accomplished:

Post Closure Land Use Change: Magellan Aviation has installed 6 methane monitoring devices in their leasehold's office structures. Verification test results on the detectors going back to January 2011were provided to the LEA. A walk through of the Magellan facility was conducted and the locations of each of the methane detectors was verified. In addition, several blower tee hookups, to be used to quickly clear the air from several of the structures were observed installed and labeled.

Observations:

No significant changes were observed at the proposed Lowe's development project located on the southwest corner Palomar Airport Road at El Camino Real. Rough grading appears to have begun and soil trucks were observed leaving the site. Site development plans and as-builts have recently been submitted to the LEA for review and approval.

The chain link fence along the southern perimeter of Unit III that was damaged by a vehicle accident in 2010 has been repaired. The fence is now intact.

Water was observed seeping from below an electrical box in the parking lot and running down the asphalt in the Unit I area southwest of Premier Jet (Picture 1).

Some gravel bags around the site were deteriorated and need replacement before the next rainy season, especially on the side slope of Unit II.

Mulch had been sporadically applied to the southern side slope of Unit II and additional piles of mulch or chipped wood is staged at several location at the bottom of the slope.

The seeps at the lower south slope of Unit III appeared to be mostly dry, but wet soil vegetation remains.

A DPW work crew was onsite in Unit III working to correct grading issues.

The flare system was operational during the inspection.

E-copy : Jason Forga, County of San Diego - DPW Landfill
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County of San Diego

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Web Site: www.sdcounty.ca.gov/dpw/

April 8, 2016

Mr. David Gibson
Executive Officer
California Regional Water Quality Control Board
San Diego Region
2375 Northside Drive, Suite 100
San Diego, California 92108

OCTOBER 2015 – MARCH 2016 SEMI-ANNUAL
AND 2015 ANNUAL MONITORING REPORT
DETECTION MONITORING PROGRAM
PALOMAR AIRPORT LANDFILL
CARLSBAD, CALIFORNIA
SWIS# 37-AH-0002
ORDER NO. 96-13
LD:06-0362.02:ccheng

Dear Mr. Gibson:

Enclosed is the report titled "October 2015 – March 2016 Semi-Annual and 2015 Annual Monitoring Report, Detection Monitoring Program, Palomar Airport Landfill, Carlsbad, California" (Report) prepared by Geosyntec Consultants on behalf of the County of San Diego Department of Public Works Landfill Management (County). This report is being submitted to the California Regional Water Quality Control Board, San Diego Region (Regional Board) pursuant to the requirements of Order 96-13.

Section 1.1 of the report contains a table that lists information required by the order and references the applicable section of the report where the information can be found.

Compliance

The attached report includes results from testing completed during the October 2015 – March 2016 monitoring period. Based on groundwater monitoring performed during the current semi-annual monitoring period, the County continues to be in compliance with the Waste Discharge Requirements of Order 96-13, Addendum No. 1 and Technical Change Order T-1, with the following exceptions:

- Exceedances of Water Quality Objectives (WQOs) for the following constituents in one or more monitor wells and the sump:
    - Chloride
    - pH
    - Iron
    - Manganese
    - Sulfate
    - Total Dissolved Solids (TDS)

Based on groundwater monitoring performed during the October 2015 – March 2016 semi-annual monitoring period and historical monitoring of the site, the groundwater conditions at the site have been adequately characterized. Additional action, beyond existing source control measures (landfill cover maintenance and continued operation of the landfill gas extraction system) and monitored natural attenuation, is not warranted at this time.

No comments were issued by the Regional Board for this program during this reporting period.

Landfill Gas Monitoring Reports

SCS Field Engineers (SCS) conducts monthly operation and maintenance activities at the Palomar Airport Landfill on behalf of the County. Monitoring activities include monitoring perimeter landfill gas (LFG) monitoring probes and LFG extraction wells. Copies of the October 2015 and January 2016 LFG Operation and Maintenance reports are enclosed.

Landfill Gas System Repairs

During this monitoring period the following repairs were made to the landfill gas system at the site:

- Minor repairs to LFG extraction wellheads (sample port replacements)
- Oxygen analyzer replacement
- Louver motor replacement on flare stack

Storm Water Pollution Prevention Plan (SWPPP) ***CONFIRM NO CHANGES W/ COUNTY***

No updates were made to the SWPPP during the current monitoring period.

Site Maintenance Plan (SMP)

No updates were made to the SMP during the current monitoring period.

Certification Statement

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I

believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Under penalty of perjury, that to the best of my knowledge the report is true, complete, and correct.

If you have questions regarding this letter or enclosed Report, please call Tony Sawyer at (858) 495-5447 or me at (858) 694-2691.

Sincerely,

ORELIA DEBRAAL, DPW Unit Manager
Landfill Management

Enclosures

1) October 2015 – March 2016 Semi-Annual and 2015 Annual Monitoring Report, Detection Monitoring Program, Palomar Airport Landfill, Carlsbad, California, April 2016
2) October 2015 Operation, Monitoring, and Maintenance of Landfill Gas Control Facilities, Palomar Airport Landfill, Carlsbad, California
3) January 2016 Operation, Monitoring, and Maintenance of Landfill Gas Control Facilities, Palomar Airport Landfill, Carlsbad, California

cc without enclosures:

Mr. Sam Williams, Geosyntec Consultants, 10875 Rancho Bernardo Road, Suite 200, San Diego, California 92127

Prepared for

County of San Diego
5510 Overland Avenue, Suite 410
San Diego, California 92123

OCTOBER 2015 – MARCH 2016 SEMI-ANNUAL AND 2015 ANNUAL MONITORING REPORT DETECTION MONITORING PROGRAM PALOMAR AIRPORT LANDFILL CARLSBAD, CALIFORNIA SWIS # 37-AH-0002

LD: 06-0362.02: ccheng

Prepared by

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engineers | scientists | innovators

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Project Number SC0226D

April 2016

Geosyntec
consultants

OCTOBER 2015 – MARCH 2016 SEMI-ANNUAL AND 2015 ANNUAL MONITORING REPORT DETECTION MONITORING PROGRAM PALOMAR AIRPORT LANDFILL CARLSBAD, CALIFORNIA

I certify that this document and attachments presented in this report are accurate and complete. This report was prepared by the staff of Geosyntec Consultants under my supervision to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who are directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. No attempt has been made to verify the accuracy of the Site Inspection Reports provided by Landfill Management.



4-8-2016

Veryl Wittig
California Professional Geologist No. 7115

Date

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1 INTRODUCTION

1.1 Terms of Reference

This report documents the results of the October 2015 through March 2016 semi-annual and 2015 annual monitoring for the Detection Monitoring Program (DMP) at the Palomar Airport Landfill (site; Figure 1). This report was prepared by Geosyntec Consultants (Geosyntec) for the County of San Diego, Department of Public Works, Landfill Management (County) to comply with the Waste Discharge Requirements (WDRs) for maintenance established by the California Regional Water Quality Control Board (RWQCB), San Diego Region, in Order No. 96-13 [RWQCB, 1996], Addendum No. 1, and Technical Change Order No. 1 to Order No. 96-13 [RWQCB, 2001 and 2005]. This report was prepared by Ms. Sherry Watts and reviewed by Mr. Veryl Wittig PG, CHG of Geosyntec, in accordance with Geosyntec's internal peer review policy.

The following table contains a list of the components in this report required by the corresponding sections from Monitoring and Reporting Program (MRP) No. 96-13:

Required Submittal	Required Frequency	Location in this Report
E.1 Transmittal letter	Semi-annually	Transmittal letter
E.2.a Site maintenance	Semi-annually	Section 1.2 and Appendix A
E.2.b Groundwater flow direction and gradient	Semi-annually	Section 2.2 and Figures 2 and 3
E.2.c Map of monitoring locations	Semi-annually	Figures 2 and 3
E.3.a Graphical presentation of analytical data	Annually	Appendix D
E.3.b Compliance record discussion	Annually	Section 3.6
E.3.c Summary of changes	Annually	Section 3.5
E.3.d Map showing direction of groundwater flow at the site	Annually	Figures 2 and 3

1.2 Site Maintenance

Appendix A presents the results of inspections conducted by County personnel at the Palomar Airport Landfill, and information on site conditions and maintenance activities during the current monitoring period.

2 GROUNDWATER MONITORING

Groundwater monitoring and sample collection was performed by Blaine Tech Services, Inc., a subcontractor to Geosyntec, in accordance with the current County of San Diego, Department of Environmental Health (DEH), Site Assessment and Mitigation (SAM) Manual guidance as detailed on field collection logs (Appendix B). Collection of water samples from the sub-drain sump downgradient of Unit 1 and operation and maintenance of the infiltration gallery were performed by Geosyntec personnel. Analyses were performed by Eurofins/Calscience Environmental Laboratories, Inc., (Eurofins) in Garden Grove, California. Groundwater monitoring results are compared to the San Diego Basin Plan Water Quality Objectives (WQOs) [RWQCB, 2011].

2.1 Monitoring Parameters

The site is monitored according to Section C.7 of MRP No. 96-13. The monitoring program is summarized as follows:

Parameter	Method
Chloride	SM 4500-Cl C
Nitrate as nitrogen	SM 4500-NO_3E/- NO_2B
pH	Field Method
Sulfate	EPA 300.0
Total Dissolved Solids (TDS)	SM 2540 C
Metals: Antimony, arsenic, barium, beryllium, cadmium, calcium*, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, molybdenum, nickel, potassium*, selenium, silver, sodium*, thallium, vanadium, zinc	EPA 6010B/ 7470A
Volatile Organic Compounds (VOCs)	EPA 8260B
Chemical Oxygen Demand (COD)*	EPA 410.4
Bicarbonate*, carbonate*	SM 2320B

*Carbonate, bicarbonate, chemical oxygen demand (COD), calcium, potassium, and sodium were voluntarily added to the list of monitoring parameters to assist in the evaluation of groundwater geochemistry.

2.2 Groundwater Elevation and Flow Direction

Water levels were gauged between 2 and 5 February 2016 (Table 1) after each monitor well was checked for the presence of floating immiscible layers. No immiscible layers were detected in the monitor wells. Based on the first quarter 2016 groundwater elevations, perched groundwater beneath the site flows southerly to southeasterly at hydraulic gradients ranging from approximately 0.022 to 0.062 foot per foot (ft/ft)

(Figure 2). Deep groundwater flow is westerly beneath the eastern (Unit 3) and central (Unit 2) portions of the site at approximate hydraulic gradients ranging from 0.032 ft/ft to 0.035 ft/ft, shifting to northwesterly at an approximate hydraulic gradient of 0.10 ft/ft beneath the western portion of the site (Unit 1) (Figure 3).

Since the previous monitoring period, perched groundwater elevations observed in the site monitor wells were consistent with historical ranges and trends (Figure 4). Deep groundwater at the site has shown an increasing trend in elevation since monitoring began in 1992, but the rate of increase has declined in the past two to five years in all deep wells except monitor well MW-9 (Figure 5).

2.3 Data Validation

The analytical data packages were received from Eurofins and reviewed for basic analytical quality assurance/quality control (QA/QC) adherence based on quality control (QC) guidance in the USEPA Contract Laboratory Program National Functional Guidelines [USEPA, 2014a and 2014b], as well as pertinent methods referenced in the data packages, and professional judgment. Data packages were reviewed for chain of custody discrepancies; adherence to sample holding times; evaluation of matrix spike/matrix spike duplicates (MS/MSD) and laboratory control samples/laboratory control sample duplicates (LCS/LCSD); and assessment of equipment, field, trip, and method blanks. A summary of the groundwater data validation information is provided in Appendix C.

Following validation of the data presented in the analytical data packages provided in Appendix C, the data as qualified are considered usable and acceptable for meeting project objectives. The validated concentrations are reported in Table 2, Summary of Analytical Results.

2.4 Groundwater Analytical Results

Groundwater samples were collected from site monitor wells on 2 February through 5 February 2016. Table 2 summarizes the analytical results for the samples collected from site monitor wells for the current monitoring period, including data for the equipment blanks (QCEB), field blanks (QCFB), and trip blanks (QCTB). Analytical results are compared to basin plan WQOs for the Encinas Hydrologic Area.

General chemistry parameters and metals concentrations were below WQOs (or within the pH range) in samples collected from both the perched and deep wells with the following exceptions:

- Chloride detected in groundwater samples collected from all monitor wells except MW-20;
- pH detected in groundwater samples collected from all monitor wells except MW-9, MW-15, MW-17, MW-19, MW-20, MW-21, and MW-22;
- Sulfate detected in groundwater samples collected from all monitor wells except MW-2 and MW-20;
- Total dissolved solids detected in groundwater samples collected from all monitor wells except MW-20 and MW-22;
- Iron detected in groundwater samples collected from all monitor wells except MW-19, MW-21, and MW-27; and
- Manganese detected in groundwater samples collected from all monitor wells except MW-20.

Although several VOCs were detected above the method detection limit (MDL) in monitor wells throughout the site, the concentrations of VOCs were consistent with historical ranges and trends except for an increasing trend of trichloroethene in the groundwater samples collected from monitor well MW-6 since January 2013.

Some VOC constituents were above their respective maximum contaminant level (MCLs) for drinking water, but groundwater in the vicinity of the site has no designated beneficial uses [RWQCB, 2011].

Elevated concentrations of fuel-related constituents including benzene, toluene, and xylene have been detected in groundwater samples collected from monitor well MW-30 since the well was installed. The elevated concentrations of the fuel-related constituents in this monitor well are associated with current and former underground storage tanks on the surrounding airport properties.

Groundwater sample collection logs are included in Appendix B. Analytical certificates for the current monitoring period are included in Appendix C.

2.5 Sub-Drain Results

A sub-drain collection sump has been operational since 5 September 2002 to collect water discharged from the sub-drain downgradient of Unit 1 (Figure 2). Water from the sump is treated and the effluent is discharged into an infiltration gallery downgradient from Unit 1. Historically, a sump sample has been voluntarily collected and analyzed

for general chemistry parameters, dissolved metals, and VOCs. A sample was collected from the sump on 4 February 2016 and analyzed for general chemistry parameters, dissolved metals, and VOCs. A summary of the analytical results for the sample collected from the sub-drain sump is included in Table 2. Concentrations of general chemistry parameters, dissolved metals, and VOCs in the sample collected from the sub-drain sump were consistent with historical ranges.

2.6 GeoTracker

The groundwater monitoring data[1], laboratory test data[2], and a copy of the final report for this monitoring period for the Palomar Airport Landfill site were electronically submitted to and confirmed by the State Water Board's internet-accessible database system, GeoTracker. This information was submitted to the GeoTracker database in accordance with Chapter 30, Division 3, Titles 23 & 27 of the California Code of Regulations on the date that this report was finalized.

1 Confirmation number for upload of groundwater monitoring (elevation) data into GeoTracker is 7665113985 submitted on 18 March 2016.
2 Confirmation numbers for upload of analytical data into GeoTracker are 8780946731, 6324919283, 5077318191, and 1341253697 submitted 18 March 2016.

3 ANNUAL SUMMARY

This section summarizes the results of the 2015 annual groundwater monitoring period, which includes the third quarter 2015 and first quarter 2016 monitoring events, at the Palomar Airport Landfill. Time series plots presenting the historical trends of constituents detected in groundwater samples collected at the site are presented in Appendix D. This section also discusses any changes noted during the monitoring period with respect to the monitoring results and network. Groundwater elevations in perched zone monitor wells were consistent with historical values (Figure 4). Groundwater elevations in deep zone monitor wells were consistent with the historical trend of increasing groundwater elevations (Figure 5).

3.1 Unit 1 Water Quality

3.1.1 Unit 1 Perched Groundwater Quality

Concentrations of general chemistry parameters, dissolved metals, and VOCs in groundwater samples collected from Unit 1 perched monitor wells were consistent with historical ranges and trends except for:

- Decreased concentrations of calcium in groundwater samples collected from monitor well MW-28 since July 2004;
- Generally increased concentrations of potassium in groundwater samples collected from monitor well MW-2 since July 2004; and
- Increased concentrations of benzene, ethylbenzene, and toluene in groundwater samples collected from monitor well MW-30 since January 2013.

Fuel-related constituents including benzene, toluene and xylene have been detected in groundwater samples collected from monitor wells MW-28 and MW-30 since they were installed. Monitor well MW-28 is located approximately 400 feet southwest of a leaking underground storage tank (UST) which was removed by Jet Source in August 2004. Monitor wells MW-28 and MW-30 are located hydraulically upgradient of the waste fill in Unit 1. Therefore, the fuel constituents detected in the groundwater samples collected from monitor wells MW-28 and MW-30 are not associated with the landfill and appear to be related to current or former USTs on the surrounding airport properties.

3.1.2 Unit 1 Surface Water and Sub-Drain Quality

A sub-drain collection sump has been operational since 5 September 2002 to collect water discharged from the sub-drain downgradient of Unit 1. Water from the sump is treated and the effluent is discharged into an infiltration gallery downgradient from Unit

1. During the third quarter 2015 and first quarter 2016, concentrations of general chemistry parameters, dissolved metals, and VOCs in the sample collected from the subdrain sump were consistent with historical ranges with the exception of historical high concentrations of arsenic, COD, and iron.

3.2 Unit 2 Perched Groundwater Quality

Concentrations of general chemistry parameters, dissolved metals, and VOCs in groundwater samples collected from Unit 2 perched monitor wells were consistent with historical ranges and trends except for:

- Generally decreasing concentrations of calcium, cobalt, and manganese in groundwater samples collected from monitor well MW-27.

3.3 Unit 3 Perched Groundwater Quality

Concentrations of general chemistry parameters, dissolved metals, and VOCs in groundwater samples collected from Unit 3 perched monitor wells were consistent with historical ranges and trends except for:

- Generally decreased concentrations of calcium, magnesium, nitrate, potassium, sodium, and TDS in groundwater samples collected from monitor well MW-20 since January 2004 and generally decreased concentrations of sulfate in groundwater samples collected from monitor well MW-20 since January 2007;
- Increasing concentrations of beryllium, chromium, iron, manganese, nickel, and sulfate in groundwater samples collected from monitor well MW-16 since July 2013;
- Increased concentrations of iron in groundwater samples collected from monitor well MW-20; and
- Increased concentrations of beryllium in groundwater samples collected from monitor well MW-29.

3.4 Deep Aquifer Groundwater Quality

Concentrations of general chemistry parameters, dissolved metals, and VOCs in groundwater samples collected from the deep aquifer monitor wells were generally consistent with historical ranges and trends with the following exceptions:

- Generally decreased concentrations of cadmium, chloride, cobalt, iron magnesium, manganese, nickel, TDS, and zinc, and increased concentrations of

chromium, nitrate, and sulfate, and tetrachloroethene in groundwater samples collected from monitor well MW-6;

- Increased concentrations of trichloroethene in the groundwater samples collected from monitor well MW-6 since 2012; and
- Increased concentrations of cobalt in groundwater samples collected from monitor well MW-15 since January 2009.

3.5 Summary of Changes to the Monitoring Program

There were no changes to the monitoring program during the 2015 annual monitoring period.

3.6 Compliance Record

Groundwater monitoring and site maintenance were performed in accordance with Order 96-13 and addenda. Based on groundwater monitoring performed during the 2015 annual monitoring period and historical monitoring of the site, the groundwater conditions at the site have been adequately characterized. Additional action, beyond existing source control measures (landfill cover maintenance and operation of the landfill gas extraction system) and monitored natural attenuation, is not warranted at this time. The County continues to work closely with the landfill gas (LFG) subcontractor to evaluate the LFG system in order to optimize the system and minimize LFG impacts on groundwater.

Reports of Waste Discharge (ROWD) were submitted to the RWQCB for Unit 3 and the deep groundwater in October 2006. At the time of preparation of this report the RWQCB had not provided comments on the ROWDs.

4 REFERENCES

RWQCB, San Diego Region, 2011. *Water Quality Control Plan for the San Diego Basin (9),* Adopted on 8 September 1994, with amendments adopted through 4 April 2011.

RWQCB, 2005. Technical Change Order No. 1 to Monitoring and Reporting Program No.96-13: Palomar Airport Landfill. 29 March 2005.

RWQCB, 2001. Addendum No.1 to Order No.96-13, "An Addendum Amending Waste Discharge Requirements for the County of San Diego, Palomar Airport Landfill, San Diego County. March 2001

RWQCB, 1996. Order No. 96-13, Waste Discharge Requirements for Post-Closure Maintenance for County of San Diego, Palomar Airport Sanitary Landfill, February 1996.

USEPA, 2014a. *Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review*, August 2014.

USEPA, 2014b. *Contract Laboratory Program, National Functional Guidelines for Superfund Organic Methods Data Review,* August 2014.

TABLES

Table 1
Summary of Groundwater Depths and Elevations
Palomar Airport Landfill
Carlsbad, California

Geosyntec consultants

Well	Top of Casing Elevation (ft MSL)	Gauging Date	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)	Change from Previous Groundwater Elevations (ft)
Perched Wells					
MW-2	281.64	2/2/2016	14.10	267.54	-0.22
MW-7	282.52	2/5/2016	14.69	267.83	-0.26
MW-8	316.63	2/4/2016	48.71	267.92	-0.35
MW-11A	278.45	2/2/2016	26.11	252.34	-0.20
MW-12	292.57	2/5/2016	31.74	260.83	-0.27
MW-14	319.72	2/5/2016	41.60	278.12	0.44
MW-16	318.71	2/3/2016	31.41	287.30	-0.27
MW-18	317.65	2/3/2016	20.00	297.65	0.58
MW-20	319.02	2/4/2016	7.92	311.10	1.07
MW-24	250.31	2/2/2016	26.00	224.31	-0.42
MW-25	298.77	2/5/2016	34.12	264.65	-0.13
MW-27	258.95	2/2/2016	29.15	229.80	-0.11
MW-28	313.82	2/3/2016	20.98	292.84	-0.74
MW-29	270.43	2/5/2016	12.59	257.84	0.51
MW-30	313.92	2/3/2016	14.39	299.53	-0.49
Deep Wells					
MW-6	271.67	2/5/2016	44.47	227.20	0.01
MW-9	315.49	2/5/2016	75.40	240.09	0.49
MW-15	300.37	2/5/2016	90.18	210.19	-0.24
MW-17	318.53	2/4/2016	103.27	215.26	0.01
MW-19	276.24	2/2/2016	64.80	211.44	0.29
MW-21	316.40	2/5/2016	185.89	130.51	0.08
MW-22	318.28	2/4/2016	102.91	215.37	-0.38

ft MSL - Feet above Mean Sea Level
ft toc - Feet below top of casing
ft- Feet

Table 2
Summary of Analytical Results
Palomar Airport Landfill
Carlsbad, California

Geosyntec consultants

				Deep Groundwater Wells							Unit 1 Perched Groundwater						Unit 2 Perched Groundwater				
				MW-6	MW-9	MW-15	MW-17	MW-19	MW-21	MW-22	MW-2	MW-11A	MW-14	MW-24	MW-28	MW-30	MW-8	MW-12	MW-18	MW-25	MW-27
	Units	MDL	WQO	2/5/2016	2/5/2016	2/5/2016	2/4/2016	2/2/2016	2/5/2016	2/4/2016	2/2/2016	2/2/2016	2/5/2016	2/2/2016	2/3/2016	2/3/2016	2/4/2016	2/5/2016	2/4/2016	2/5/2016	2/2/2016
General Chemistry Parameters																					
Bicarbonate (as CaCO3)	mg/L	0.848	NE	NA	334	102	156	149	111	371	420	1550	NA	495	NA	194	NA	NA	122	NA	404
Chemical Oxygen Demand	mg/L	10	NE	140	-	-	6.0	100	-	-	780	160	360	-	110	350	340	110	82	120	6.0
Chloride	mg/L	0.76	800	**2300 D**	**1400 D**	**1800 D**	**2400 D**	**2900 D**	**1300 D**	**900 D**	**3900 D**	**4700 D**	**5800 D**	**2200 D**	**8900 D**	**15000 D**	**9300 D**	**3600 D**	**10000 D**	**9200 D**	**4100 D**
Conductivity*	µS/cm	None	NE	13863	6818	8403	9995	10317	6216	5709	11126	13397	18019	8263	28053	27170	22490	15755	24358	27090	9321
Nitrate (as N)	mg/L	0.029	10	7.0 D	0.15	0.041 J	-	1.3 D	0.050 J	-	-	0.057 J	0.039 J	0.051 J	0.38	0.046 J	0.081 J	0.058 J	2.5 D	2.6 D	0.044 J
Oxidation-Reduction Potential (ORP)*	mV	None	NE	324.2	-50.0	-85.3	-93.5	58.5	-108.7	-99.3	-81.5	-24.7	404.5	10.7	297.3	-42.6	249.1	365.7	95.6	413.3	36.1
Dissolved Oxygen (DO)*	mg/L	None	NE	0.71	1.09	1.58	0.45	0.52	0.79	0.69	0.17	0.40	2.29	0.51	0.42	0.41	0.30	0.49	0.40	0.70	0.57
pH*	pH Units	None	6.5-8.5	**4.02**	6.59	6.81	6.85	6.88	7.15	6.84	**6.16**	**5.93**	**2.96**	**6.01**	**3.93**	**6.03**	**3.62**	**3.33**	**5.52**	**3.24**	**6.14**
Sulfate	mg/L	0.27	500	**4300 D**	**2200 D**	**2300**	**1500 D**	**1900 D**	**1600 D**	**1300 D**	200 D	**2200 D**	**14000 D**	**2300 D**	**3700 D**	**2500 D**	**3600 D**	**7000 D**	**2200 D**	**4500 D**	**2600 D**
Total Dissolved Solids (TDS)	mg/L	0.87	3500	**8360**	**5320**	**5780**	**5730**	**8000**	**4050**	3500	**6930**	**11200**	**20400**	**6740**	**18600**	**28600**	**18500**	**12000**	**21000**	**18200**	**9930**
Turbidity*	NTU	None	NE	3.5	1.0	9.7	3.6	3.4	26.6	5.5	20.6	28.9	17.7	152	10.0	1.9	24.1	2.5	22.5	4.8	1.2
Metals Parameters																					
Antimony	mg/L	0.00787	NE	<0.00787 UJ	<0.00787 UJ	<0.00787 UJ	<0.0150 U	-	<0.00787 UJ	-	-	-	<0.00787 UJ	-	-	-	-	<0.00787 UJ	-	<0.00787 UJ	-
Arsenic	mg/L	0.00438	NE	0.0253	0.0452	0.0455	0.0439	0.0590	0.0199	0.0281	0.0510	0.0928	0.0682	0.0591	0.0824	0.140	0.0913	0.0489	0.104	0.0856	0.0689
Barium	mg/L	0.00296	NE	0.0153	0.0236	0.0206	0.0697	0.0677	0.0154	0.0289	0.0649	0.0630	0.00882 J	0.0474	0.0358	0.0601	0.0176	0.0127	0.0344	0.0303	0.0274
Beryllium	mg/L	0.00262	NE	0.0404	-	-	-	-	-	-	-	-	0.181	-	0.0120	-	0.0321	0.0899	0.00478 J	0.0503	-
Cadmium	mg/L	0.00269	NE	0.0179	-	-	-	0.00279 J	-	-	-	0.00284 J	0.0854	-	0.00565 J	0.00357 J	0.00743 J	0.0361	0.0110	0.0237	0.00307 J
Calcium	mg/L	0.0118	NE	628	684	751	537	968	225	288	398	1310 D	567	835	1140 D	1980 D	1320 D	620	1400 D	1280 D	948
Chromium	mg/L	0.00271	NE	0.0396	-	-	-	-	-	-	-	0.00550 J	0.172	0.00412 J	-	-	0.0662	0.0903	-	0.00411 J	-
Cobalt	mg/L	0.00295	NE	0.580	-	0.0306	0.00330 J	-	-	-	0.00772 J	0.115	2.03	0.0786	0.115	0.0118	0.228	0.916	0.0849	0.499	0.0112
Copper	mg/L	0.00267	NE	0.0416	0.00655 J	0.00392 J	0.00406 J	0.0148	0.00348 J	-	0.00571 J	0.00306 J	1.60	0.00524 J	0.0377	0.00568 J	0.0327	0.128	0.0399	0.132	0.00670 J
Iron	mg/L	0.0101	0.3	**4.14**	**8.39**	**0.740**	**2.60**	0.0395 J	0.251	**1.85**	**69.9**	**57.9**	**40.9**	**6.97**	**14.3**	**17.4**	**14.8**	**7.88**	**11.4**	**0.502**	0.0380 J
Lead	mg/L	0.00406	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	0.00336	NE	472	240	151	211 B	232	105	136 B	219	473	1610 D	259	1060 B,D	1440 B,D	1050 B,D	1050 D	1040 B,D	1560 D	597
Manganese	mg/L	0.00270	0.05	**6.42**	**0.192**	**0.312**	**1.66**	**0.409**	**0.713**	**0.231**	**0.429**	**31.2**	**51.4**	**21.4**	**15.0**	**15.8**	**16.2**	**32.4**	**3.67**	**30.4**	**3.10**
Mercury	mg/L	0.0000453	NE	0.000424 J	0.000131 J	0.0000504 J	-	-	0.0000523 J	0.0000528 J	-	-	0.000110 J	-	0.000350 J	-	-	0.000294 J	0.00146	0.000246 J	0.0000718 J
Molybdenum	mg/L	0.00278	NE	-	0.00633 J	0.00820 J	0.00922 J	0.00671 J	0.0155	0.0101	0.00756 J	-	-	0.00696 J	-	0.00414 J	-	-	-	-	0.00308 J
Nickel	mg/L	0.00298	NE	0.816	-	0.00326 J	0.0157	0.00826 J	0.00353 J	0.00454 J	0.0101	0.123	2.25	0.119	0.134	0.0265	0.355	1.14	0.109	0.717	0.0598
Potassium	mg/L	0.103	NE	41.4 D	7.71 D	9.80 D	18.6	19.9	4.93 J+,D	9.30	232	18.4	14.8 D	11.1	57.3	54.8	62.3	42.1 D	62.1	51.6 D	55.1
Selenium	mg/L	0.00699	NE	-	-	-	-	-	-	-	-	0.00786 J	-	-	-	-	0.0135 J	-	-	0.0199	-
Silver	mg/L	0.00139	NE	-	0.00632	0.00616	0.00425 J	0.00843	0.00178 J	0.00176 J	0.00321 J	0.0153	-	0.0106	0.00749	0.0153	0.00772	-	0.0108	0.00551	0.00776
Sodium	mg/L	0.103	NE	1310 D	822 D	1030 D	1240 D	1210 D	1100 D	711	1720 D	1970 D	3010 D	1010 D	3480 D	4920 D	3430 D	1860 D	3550 D	3350 D	1620 D
Thallium	mg/L	0.00291	NE	0.00676 J	-	0.00816 J	-	0.0143 J	<0.00291 UJ	-	-	0.0226	0.0261	0.0106 J	-	0.0159	0.0110 J	0.0213	-	0.0166	0.00760 J
Vanadium	mg/L	0.00244	NE	-	-	-	-	-	-	-	0.00266 J	-	0.0424	-	-	-	0.0284	0.00725 J	-	-	-
Zinc	mg/L	0.00352	NE	1.40	0.0207	0.0124	0.0883	0.169	0.0111	0.00876 J	0.0520	0.0252	9.47	0.0566	0.961	0.0124	2.02	3.34	0.402	1.83	0.0204
Volatile Organic Compounds**															-	-					
1,1-Dichloroethane	µg/L	0.28	NE	1.2	-	-	-	-	-	-	-	-	3.6 J,D	-	-	-	4.0 J,D	-	1.9	6.8 D	-
1,1-Dichloroethene	µg/L	0.43	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-
1,2-Dibromoethane	µg/L	0.36	NE	-	-	-	-	-	-	-	-	-	-	-	-	46 D	-	-	-	-	-
1,2-Dichlorobenzene	µg/L	0.46	NE	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	µg/L	0.24	NE	-	-	-	-	-	-	-	-	-	-	-	-	140 D	-	-	-	-	-
1,2-Dichloropropane	µg/L	0.42	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	0.43	NE	-	-	-	-	-	-	-	27	0.45 J	-	-	-	-	-	-	-	-	-
2-Butanone	µg/L	2.2	NE	-	-	-	-	-	-	-	-	-	-	-	-	270 D	-	-	-	-	-
Acetone	µg/L	10	NE	11 J	-	-	-	-	-	-	-	-	-	-	-	860 D	-	-	-	-	-
Benzene	µg/L	0.14	NE	-	-	-	-	-	-	0.29 J	4.4	0.31 J	-	-	12 D	3400 D	4.4 J,D	-	2.6	6.0 D	-
Bromochloromethane	µg/L	0.48	NE	-	-	-	-	-	-	-	-	-	-	-	-	22 J,D	-	-	-	-	-
Chlorobenzene	µg/L	0.17	NE	-	-	-	-	-	-	-	5.3	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/L	1.8	NE	5.1 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	µg/L	0.48	NE	-	-	-	-	0.77 J	-	-	1.5	-	-	-	-	-	27 D	-	14	18 D	-
Dichlorodifluoromethane	µg/L	0.46	NE	7.2	-	-	-	-	-	-	-	-	-	-	-	-	6.5 J,D	8.4 D	9.8	15 D	-
Ethylbenzene	µg/L	0.14	NE	-	-	-	-	-	-	-	-	-	-	-	2.0 J,D	61 D	-	-	0.66 J	0.98 J,D	-
p-Isopropyltoluene	µg/L	0.16	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22 J	-	-
Methylene Chloride	µg/L	0.64	NE	1.9 J	-	-	-	-	-	-	-	-	7.7 J,D	-	-	130 J,D	-	3.2 J,D	-	46 J,D	-
Methyl-Tert-Butyl Ether (MTBE)	µg/L	0.31	NE	-	-	-	-	-	-	-	-	-	-	0.42 J	-	-	-	-	-	-	-
p/m-xylene	µg/L	0.24	NE	-	-	-	-	-	-	-	0.28 J	-	-	-	2.6 J,D	140 D	-	-	2.8	3.2 J,D	-
o-Xylene	µg/L	0.23	NE	-	-	-	-	-	-	-	-	-	-	-	-	43 D	-	-	1.6	-	-
Tetrachloroethene	µg/L	0.39	NE	-	-	-	-	-	-	-	-	-	53 D	-	-	-	-	-	49	6.0 D	-
Toluene	µg/L	0.24	NE	-	-	-	0.26 J	-	-	-	0.26 J	-	-	-	-	21000 D	2.6 J,D	-	3.7	4.0 J,D	-
trans-1,2-Dichloroethene	µg/L	0.37	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-
Trichloroethene	µg/L	0.37	NE	1.2	-	-	-	-	-	-	-	-	7.4 D	-	-	-	6.3 J,D	-	48	11 D	-
Vinyl Chloride	µg/L	0.30	NE	-	-	-	-	-	-	-	0.42 J	-	-	-	-	-	3.7 J,D	2.0 J,D	10	7.7 D	-

Table 2
Summary of Analytical Results
Palomar Airport Landfill
Carlsbad, California

Geosyntec consultants

				Unit 3 Perched Groundwater					Quality Control SampleS							
				MW-7	MW-16	MW-20	MW-29	SUMP	QCEB	QCEB	QCFB	QCFB	QCTB	QCTB	QCTB	QCTB
	Units	MDL	WQO	2/5/2016	2/4/2016	2/4/2016	2/5/2016	2/4/2016	2/3/2016	2/5/2016	2/3/2016	2/5/2016	2/2/2016	2/3/2016	2/4/2016	2/5/2016
General Chemistry Parameters																
Bicarbonate (as CaCO3)	mg/L	0.848	NE	167	NA	33.0	NA	416	NA	NA	NA	NA	NA	NA	NA	NA
Chemical Oxygen Demand	mg/L	10	NE	60	670	-	150	760 D	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	mg/L	0.76	800	**7400 D**	**8100 D**	65	**2700 D**	**7100 D**	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity*	µS/cm	None	NE	19343	36882	470.0	12602	16679	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate (as N)	mg/L	0.029	10	1.2 D	-	0.56	2.0 D	0.047 J	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation-Reduction Potential (ORP)*	mV	None	NE	164.8	136.1	169.6	420.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen (DO)*	mg/L	None	NE	0.39	0.50	5.63	1.01	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH*	pH Units	None	6.5-8.5	**5.56**	**3.69**	6.59	**3.27**	**6.25**	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	0.27	500	**2000 D**	**49000 D**	35	**5900 D**	**2100 D**	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids (TDS)	mg/L	0.87	3500	**14800**	**44100**	275	**10300**	**11600**	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity*	NTU	None	NE	0.5	4.1	16.9	4.5	6	NA	NA	NA	NA	NA	NA	NA	NA
Metals Parameters																
Antimony	mg/L	0.00787	NE	<0.00787 UJ	-	-	<0.00787 UJ	-	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	0.00438	NE	0.111	0.0740	-	0.0166	0.118	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	0.00296	NE	0.0290	0.0307	0.00665 J	0.0175	0.0770	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	mg/L	0.00262	NE	-	0.225	-	0.0670	-	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	0.00269	NE	0.0106	0.0224	-	0.0379	-	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/L	0.0118	NE	1930 D	383	3.59	603	1570 D	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/L	0.00271	NE	0.0934	9.46	-	0.0223	-	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/L	0.00295	NE	0.0231	3.54	-	0.623	0.111	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	0.00267	NE	0.00891 J	-	0.00490 J	0.114	-	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/L	0.0101	0.3	**0.548**	**1740 D**	**0.867**	**3.87**	**57.8**	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	0.00406	NE	-	0.0366	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	0.00336	NE	633	5040 B,D	7.08 B	543	553 B	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	0.00270	0.05	**3.70**	**269 D**	-	**11.2**	**19.7 D**	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/L	0.0000453	NE	0.00367 J-	0.0000894 J	0.0000458 J	0.000486 J	-	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	mg/L	0.00278	NE	0.00507 J	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/L	0.00298	NE	0.357	8.70	-	0.720	0.185	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	0.103	NE	61.3 D	51.9	1.41	98.0 D	54.8	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	0.00699	NE	0.0338	0.0171	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA
Silver	mg/L	0.00139	NE	0.0165	-	-	-	0.0144	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	0.103	NE	2390 D	2710 D	67.7	1860 D	2250 D	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/L	0.00291	NE	0.0206	-	-	0.00439 J	-	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/L	0.00244	NE	-	0.0772	0.00517 J	-	-	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/L	0.00352	NE	0.123	5.66	0.0142	1.64	0.198	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds**																
1,1-Dichloroethane	µg/L	0.28	NE	-	-	-	8.2	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	µg/L	0.43	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	µg/L	0.36	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	µg/L	0.46	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	µg/L	0.24	NE	-	-	-	0.44 J	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	µg/L	0.42	NE	-	-	-	1.4	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	0.43	NE	-	-	-	-	1.7 J,D	-	-	-	-	-	-	-	-
2-Butanone	µg/L	2.2	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	µg/L	10	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	0.14	NE	-	0.38 J	-	2.1	0.55 J,D	-	-	-	-	-	-	-	-
Bromochloromethane	µg/L	0.48	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	µg/L	0.17	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/L	1.8	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	µg/L	0.48	NE	-	-	-	4.1	11 D	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	µg/L	0.46	NE	20	6.0	-	0.59 J	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	0.14	NE	-	-	-	0.63 J	-	-	-	-	-	-	-	-	-
p-Isopropyltoluene	µg/L	0.16	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	µg/L	0.64	NE	-	-	-	52	-	-	-	-	-	-	-	-	-
Methyl-Tert-Butyl Ether (MTBE)	µg/L	0.31	NE	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-xylene	µg/L	0.24	NE	-	-	-	1.6	-	-	-	-	-	-	-	-	-
o-Xylene	µg/L	0.23	NE	-	-	-	0.68 J	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	0.39	NE	-	-	-	30	1.3 J,D	-	-	-	-	-	-	-	-
Toluene	µg/L	0.24	NE	-	1.5	-	4.1	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	µg/L	0.37	NE	-	-	-	0.85 J	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	0.37	NE	-	-	-	17	5.5 D	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	0.30	NE	-	-	-	1.5	-	-	-	-	-	-	-	-	-

Table 2
Summary of Analytical Results
Palomar Airport Landfill
Carlsbad, California

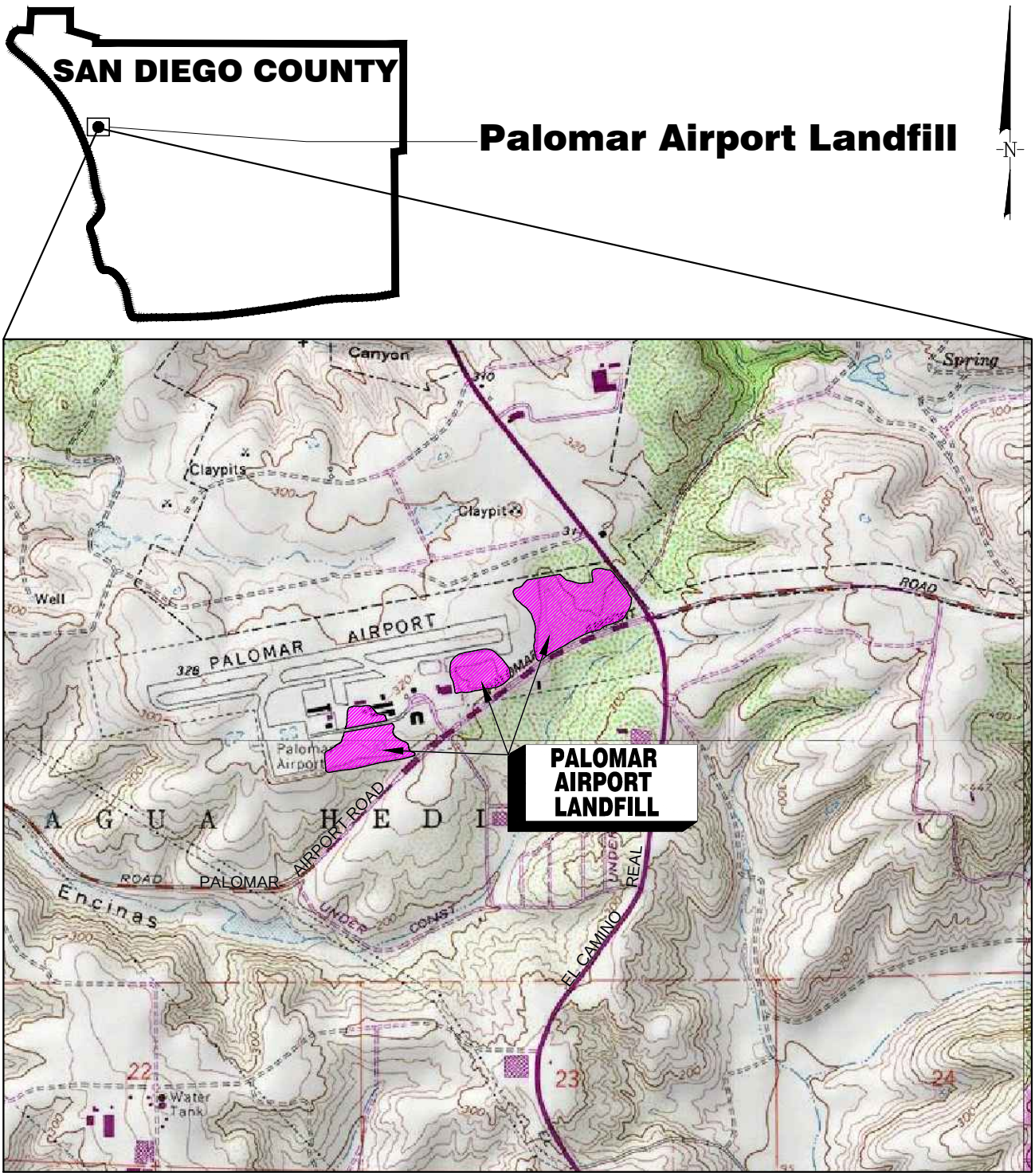
Notes:
Bold values exceed WQOs
- Not detected at concentrations greater than or equal to the laboratory method detection limit (MDL).
MDL - Method Detection Limit- The listed MDL is applicable to undiluted samples. MDLs for samples run at dilutions other than 1 are listed in Appendix C, Certificates of Analysis.
NA - Not analyzed (In the case of bicarbonate/carbonate analysis, samples collected from monitor wells MW-6, -8, -12, -14, -16, -25, -28, and -29 could not be analyzed due to low pH)
NE - Not established
NM - Not Measured
QCEB - Quality Control Equipment Blank
QCFB - Quality Control Field Blank
QCTB - Quality Control Trip Blank
WQO - Water Quality Objective for the Encinas Hydrologic Area of the Carlsbad Hydrologic Unit in the San Diego Basin Plan
mg/L - milligrams per liter
µg/L - micrograms per liter
µS/cm - microsiemens per centimeter
mV-millivolts
NTU - Nephelometric Turbidity Units
*pH, conductivity, ORP, DO, and turbidity were measured in the field

Laboratory Qualifiers:
B- Analyte was present in the associated method blank
D - The analyte concentration was reported from analysis of a diluted sample
J - Analyte was detected at a concentration below the reporting limit (RL) and above the laboratory MDL. Reported value is estimated

Validation Qualifiers:

J+ - The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
J- - The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
U - The analyte was analyzed for, but not detected above the reported sample quantitation limit
UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

FIGURES



2000 1000 0 2000

Scale (In Feet)

Site Location

Palomar Airport Landfill
Carlsbad, California

Geosyntec consultants

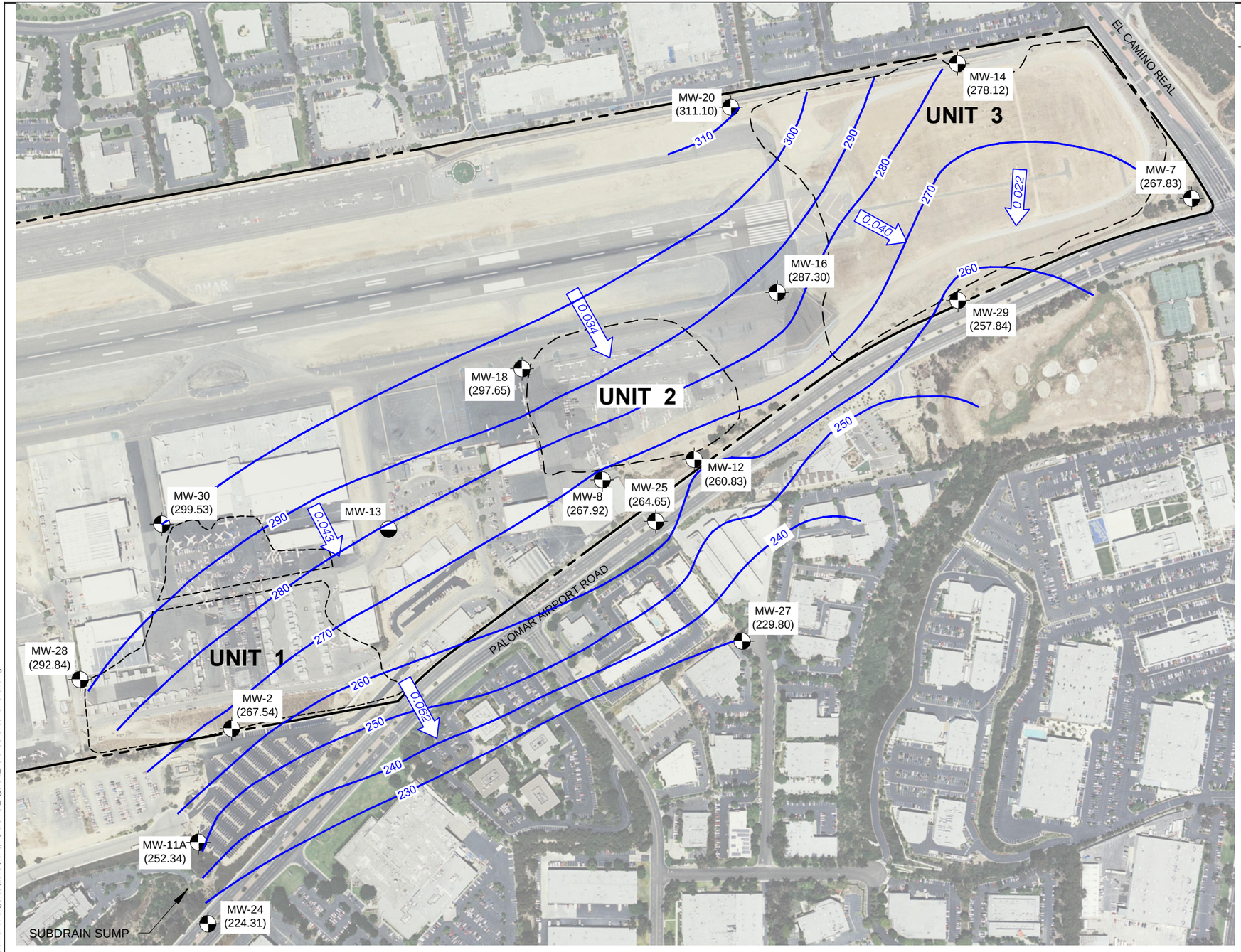
San Diego | April 2016

Figure

1

SOURCE:
NATIONAL GEOGRAPHIC (CALIFORNIA)
SEAMLESS USGS TOPOGRAPHIC MAPS
ON CD-ROM POWERED BY TOPO

P:\PRJ\SDCadd\CADD\SC0226\Palomar-09\Figures\2016\1st Qtr\Palomar_Figure 1_Site Location.dwg 7/10/2006 5:25 PM David Nielsen



LEGEND

- MW-7 (267.83) — SHALLOW GROUNDWATER MONITOR WELL (GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL)
- MW-13 — DESTROYED SHALLOW GROUNDWATER MONITOR WELL
- APPROXIMATE PROPERTY BOUNDARY
- ESTIMATED LIMITS OF TRASH / REFUSE
- 300 — GROUNDWATER ELEVATION (FEET, MSL) CONTOUR (CONTOUR INTERVAL = 10 FT)
- 0.022 — APPROXIMATE GROUNDWATER FLOW DIRECTION AND HYDRAULIC GRADIENT (FT/FT)

SOURCE:
JULY 2008 AERIAL PHOTOGRAPH

400 200 0 400
Scale (In Feet)

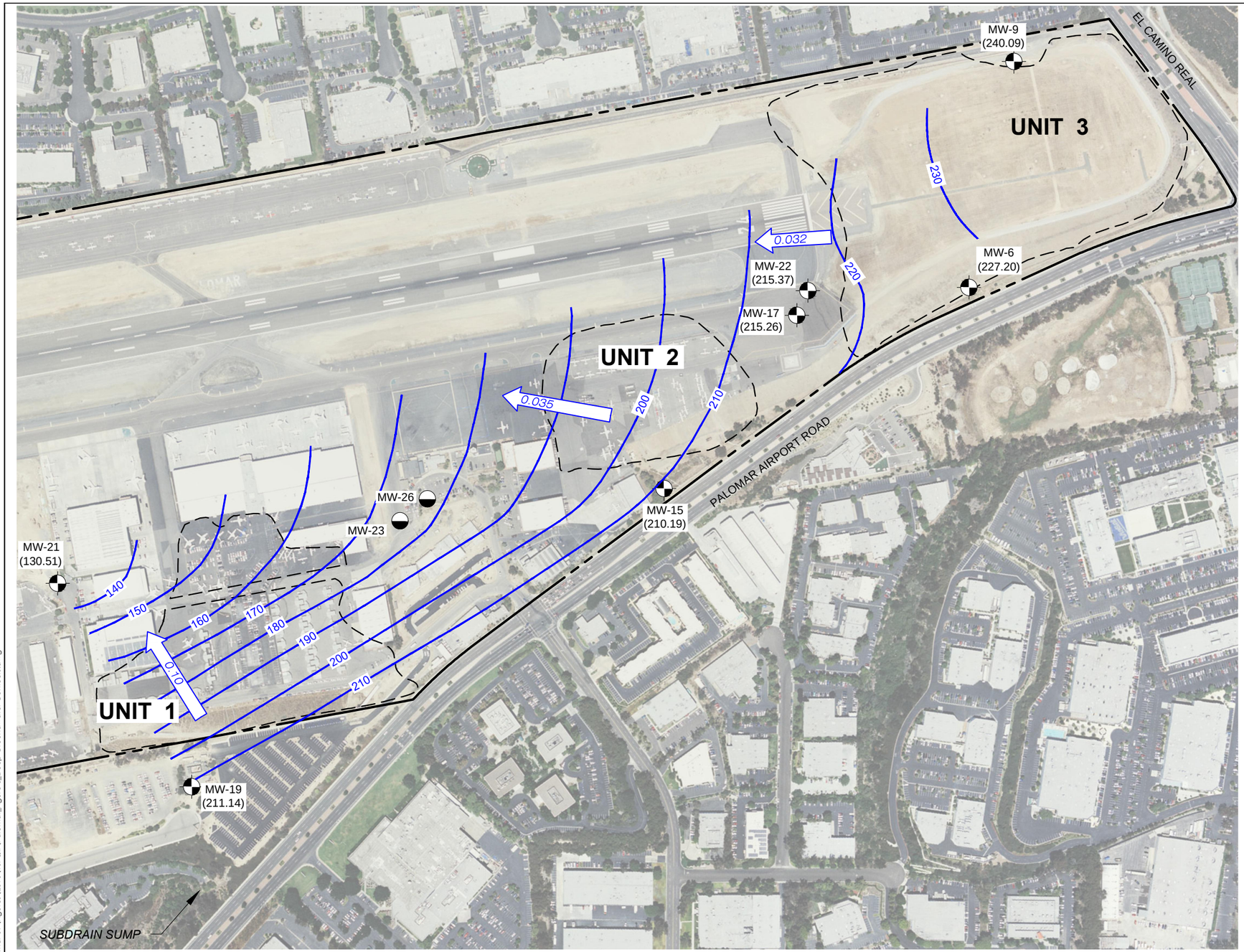
Perched Groundwater Elevations and Flow Direction
1st Quarter 2016
Palomar Airport Landfill
Carlsbad, California

Geosyntec consultants

San Diego | April 2016

Figure
2

P:\PRJ\SDC\cadd\CADD\SC0226\Palomar 09\Figures\2016\1st Qtr\Palomar_Figure 2_Perched Groundwater.dwg



LEGEND

- MW-9 (240.09) — DEEP GROUNDWATER MONITOR WELL (GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL)
- DESTROYED DEEP GROUNDWATER MONITOR WELLS
- APPROXIMATE PROPERTY BOUNDARY
- ESTIMATED LIMITS OF TRASH / REFUSE
- 200 — GROUNDWATER ELEVATION (FEET,MSL) CONTOUR (CONTOUR INTERVAL = 10 FT)
- 0.031 — APPROXIMATE GROUNDWATER FLOW DIRECTION AND HYDRAULIC GRADIENT (FT/FT)

-N-

400 200 0 400
Scale (In Feet)

Deep Groundwater Elevations and Flow Direction
1st Quarter 2016
Palomar Airport Landfill
Carlsbad, California

Geosyntec consultants

San Diego | April 2016

Figure 3

SOURCE:
JULY 2008 AERIAL PHOTOGRAPH

P:\PRJ\SDCadd\CADD\SC0226\Palomar-09\Figures\2016\1st Qtr\Palomar_Figure 3_Deep Groundwater Contours.dwg

July 12, 2016

Mr. Tony Sawyer, Unit Manager
County of San Diego
Department of Public Works
5510 Overland Avenue, Suite 210, MS0383
San Diego, California 92123

Subject: COUNTY OF SAN DIEGO PROPOSED THREAT TO WATER QUALITY AND COMPLEXITY RECLASSIFICATION FOR SAN DIEGO COUNTY LANDFILLS, SAN DIEGO COUNTY, CA

Mr. Sawyer:

The County of San Diego (County) provided its *Proposed TTWQ and CPLX Classification Change San Diego County Closed and Inactive Landfills* (Proposal) to the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) in a letter dated January 22, 2015.

The Proposal includes an evaluation of the current Threat to Water Quality (TTWQ) and Complexity (CPLX) ratings for the County's eleven closed and inactive landfills. The County proposed a reduction to all of its closed and inactive Landfill's TTWQ and CPLX ratings (see Table 1 below). We have reviewed the Proposal and have determined that, with the exception of Otay and Poway Landfills which will stay at 1A and 1B ratings respectively, the TTWQ and CPLX ratings proposed for the County's closed and inactive landfills will be changed to 2B (see Table 1 below). These determinations are based on an evaluation of the Proposal and information available in San Diego Water Board records.

San Diego Water Board Proposal Analysis

Table 1 below contains the current TTWQ and CPLX ratings for the landfills, the County's proposed ratings, and San Diego Water Board's ratings determinations for the 11 closed and inactive landfills. Table 2 (enclosed) provides the rationale for the San Diego Water Board's TTWQ and CPLX ratings determinations.

Table 1. TTWQ and CPLX Ratings

Landfill	Current TTWQ and CPLX Rating	County of San Diego Proposed Modified TTWQ and CPLX Rating	San Diego Water Board TTWQ and CPLX Rating Determinations
Bonsall	1B	3B	2B
Encinitas II	1B	3B	2B
Gillespie	1B	3B	2B
Hillsborough	1B	3B	2B
Jamacha	1B	3B	2B
Otay	1A	3A	1A
Palomar Airport	1B	3B	2B
Poway	1B	3B	1B
San Marcos II	1B	3B	2B
Valley Center	1B	3B	2B
Viejas	1B	3B	2B

Section 2200 of title 23, California Code of Regulations (Cal. Code Regs.), provides direction for determining regulatory fees for landfills using a TTWQ and CPLX Rating Criteria. With the exception of Otay Landfill, the presence of discharges at these landfills is more consistent with a Category 2 TTWQ classification because the discharges have impaired the designated beneficial uses of the receiving water and caused a short-term violation of water quality objectives. In addition, the discharge could cause a violation of the secondary drinking water standards and/or a nuisance condition.

Order No. R9-2003-0003 (Order) for the San Marcos II Landfill contains a finding that the TTWQ and CPLX rating is 1B. In order to change this landfill's rating to 2B, the San Diego Water Board must revise this finding in the Order. The San Diego Water Board will notify you when the tentative addendum revising the finding is released for public comment. I will recommend that the Board make the rating change retroactive to the start of the current billing cycle which commenced on July 1, 2016.

Otay Landfill will remain at a TTWQ and CPLX rating of 1A because it accepted hazardous waste and as such any discharges to waters of the State from the landfill could cause the long-term loss of a designated beneficial use of the receiving water. This is consistent with the Cal. Code Regs. section 2200 classification criteria for a Category 1 TTWQ rating.

Poway Landfill will remain at a TTWQ and CPLX rating of 1B because discharges of volatile organic compounds from the landfill have impacted groundwater at levels far exceeding water quality protections standards. These discharges could cause the long-

term loss of a designated beneficial use of the receiving water. This is consistent with the Cal. Code Regs. section 2200 classification criteria for a Category 1 TTWQ rating.

The San Diego Water Board TTWQ and CPLX ratings determinations (Table 1) for Bonsall, Encinitas II, Gillespie, Hillsborough, Jamacha, Palomar Airport, Valley Center, and Viejas landfills are now in effect for the current billing cycle which commenced on July 1, 2016.

These changes to the County landfill's TTWQ and CPLX ratings will result in a fee reduction of approximately $293,000 per year.

Santa Ana Regional Water Quality Control Board TTWQ and CPLX Classification Methodology

The County also requested that the San Diego Water Board utilize the Santa Ana Regional Water Quality Control Board (Santa Ana Water Board) methodology, as developed in the Santa Ana Water Board's *Site Maintenance and Water Quality Monitoring at Closed, Abandoned, or Inactive Nonhazardous Waste Landfills within the Santa Ana Region* (Order No. R8-2013-0010), to determine the TTWQ and CPLX ratings for all County Closed, Abandoned, or Inactive (CAI) Landfills in the San Diego region.

The San Diego Water Board's approach to classifying a landfill's TTWQ and CPLX rating appropriately applies the criteria in Cal. Code Regs. section 2200. Therefore, we see no need to use the Santa Ana Water Board approach.

In the subject line of any response, please include the following reference numbers: L10001753716, L10007407136, L10005408290, L10004532342, L10004933936, L10006424767, L10003501496, L10001254570, L10006325553, L10004776747, and L10005392761:spease. For questions or comments, please contact Ms. Susan Pease by phone at (619) 521-5895 or by email at Sue.Pease@waterboards.ca.gov.

Respectfully,

DAVID W. GIBSON
Executive Officer

DWG:js:jac:jro:kkd:sjp

Enclosure: Table 2 - San Diego County Closed and Inactive Landfill TTWQ and CPLX Rating Determinations

cc: Amy Grove, San Diego Water Board, Land Discharge Unit (email copy only) Amy.Grove@waterboards.ca.gov

Roger Mitchell, San Diego Water Board, Land Discharge Unit (email copy only)
Roger.Mitchell@waterboards.ca.gov

Tech Staff Info & Use		
Landfill	**Geotracker ID**	**CIWQS ID**
Bonsall	L10001753716	210029
Encinitas II	L10007407136	222762
Gillespie	L10005408290	227169
Hillsborough	L10004532342	230400
Jamacha	L10004933936	233412
Otay	L10006424767	246290
Palomar Airport	L10003501496	247472
Poway	L10001254570	249008
San Marcos II	L10006325553	255409
Valley Center	L10004776747	270020
Viejas	L10005392761	270458

Table 2 - San Diego County Closed and Inactive Landfill TTWQ and CPLX Rating Determinations

Landfill	Current TTWQ and CPLX Rating	County of San Diego Proposed Modified TTWQ and CPLX Rating	San Diego Water Board Proposed TTWQ and CPLX Rating	San Diego Water Board TTWQ and CPLX Rating Determination Rationale
Bonsall	1B	3B	2B	A review of the most recent monitoring report for Bonsall Landfill indicates that there were exceedances of Water Quality Protection Standards (WQPS) for bicarbonate, chloride, sodium, nitrate, sulfate, magnesium, bromomethane, and dichlorodifluoromethane during the April – September 2015 semiannual monitoring event. Additionally, bicarbonate, sodium, nitrate, sulfate, magnesium, and dichlorodifluoromethane also exceeded WQPS during the October 2015 – March 2016 semiannual monitoring event. These exceedances indicate a discharge of waste from Bonsall Landfill to waters of the State.
Encinitas II	1B	3B	2B	A review of recent monitoring reports for Encinitas II Landfill indicates that there were exceedances of WQPS for chloride, nitrate, sulfate, total dissolved solids, and turbidity during the 3rd Quarter 2014 monitoring event. Additionally, detections of the same constituents above the WQPS during the 3rd Quarter 2015 groundwater monitoring event indicate an ongoing discharge. These exceedances indicate a discharge of waste from Encinitas II Landfill to waters of the State.
Gillespie	1B	3B	2B	A review of the recent monitoring reports for Gillespie Landfill indicates that there were exceedances of WQPS for chloride, pH, and turbidity during the 3rd Quarter 2014 monitoring event. Additionally, detections of the same constituents above the WQPS during the 3rd Quarter 2015 groundwater monitoring event indicate an ongoing discharge. These exceedances indicate a discharge of waste from Gillespie Landfill to waters of the State.
Hillsborough	1B	3B	2B	A review of the recent monitoring reports for Hillsborough Landfill indicates that there were exceedances of WQPS for chloride, sulfate, total dissolved solids, and turbidity during the 3rd Quarter 2014 monitoring event.

Landfill	Current TTWQ and CPLX Rating	County of San Diego Proposed Modified TTWQ and CPLX Rating	San Diego Water Board Proposed TTWQ and CPLX Rating	San Diego Water Board TTWQ and CPLX Rating Determination Rationale
				Additionally, detections of the same constituents above the WQPS during the 3rd Quarter 2015 groundwater monitoring event indicate an ongoing discharge. These exceedances indicate a discharge of waste from Hillsborough Landfill to waters of the State.
Jamacha	1B	3B	2B	A review of the recent monitoring reports for Jamacha Landfill indicates that there were exceedances of WQPS for barium, calcium, magnesium, manganese, mercury, potassium, silver, sodium, and thallium during the 3rd Quarter 2014 monitoring event. Exceedances of WQPS for Chemical Oxygen Demand, Chloride, Conductivity, pH, Total Dissolved Solids, antimony, arsenic, barium, calcium, cobalt, magnesium, manganese, mercury, nickel, potassium, sodium, and thallium in the 1st Quarter 2016 groundwater monitoring report indicates the discharge from the landfill is not controlled. Additionally, detections of benzene, chlorobenzene, 1,1 dichloroethane, 1,4-dichlorobenzene, cis-1,2-dichloroethene, dichlorodifluoromethane, trichloroethene, tetrachloroethene, and vinyl chloride above the WQPS occurred during the 1st Quarter 2016 groundwater monitoring event. Some of these constituents increased in concentration over the last monitoring period, indicating the discharge is not controlled. These exceedances indicate a discharge of waste from Jamacha Landfill to waters of the State.
Otay	1A	3A	1A	A review of the recent monitoring reports for Otay Landfill indicates that there were exceedances of WQPS for bicarbonate, sulfate, and volatile organic compounds (VOCs) during the April to September 2015 monitoring event. In addition, Otay Landfill was a Class 1 landfill that accepted hazardous waste and as such any discharges to water of the State could cause the long-term loss of a designated beneficial use of the receiving water. The presence of a current discharge and the fact that Otay Landfill was a Class 1 landfill that accepted hazardous waste is more consistent with the section 2200 classification criteria for a Category 1

Landfill	Current TTWQ and CPLX Rating	County of San Diego Proposed Modified TTWQ and CPLX Rating	San Diego Water Board Proposed TTWQ and CPLX Rating	San Diego Water Board TTWQ and CPLX Rating Determination Rationale
				TTWQ.
Palomar Airport	1B	3B	2B	A review of the recent monitoring reports for Palomar Airport Landfill indicates that there were exceedances of WQPS for chloride, pH, iron, manganese, sulfate and total dissolved solids during the 3rd Quarter 2014 monitoring event. Additionally, exceedances of the same constituents above the WQPS occurred during the October 2015 to March 2016 Semiannual groundwater monitoring event indicates a recent discharge. The landfill has also had detections of landfill related pollutants in the subdrain sump system. These exceedances indicate a discharge of waste from Palomar Airport Landfill to waters of the State.
Poway	1B	3B	1B	A review of the recent monitoring reports for Poway Landfill indicates that there were exceedances of WQPS for bicarbonate, chloride, sulfate, total dissolved solids, and VOCs during the 3rd Quarter 2014 monitoring event. Additionally, detections of the same constituents above the WQPS during the October 2015 to March 2016 groundwater monitoring event indicates a recent discharge. These exceedances indicate a discharge of waste from Poway Landfill to waters of the State.
San Marcos II	1B	3B	2B	A review of the recent monitoring reports for San Marcos II Landfill indicates that there were exceedances of WQPS for chloride, calcium, and manganese during the 3rd Quarter 2014 monitoring event. Additionally, detections of chloride, mercury, and sulfate above the WQPS during the October 2015 to March 2016 groundwater monitoring event indicates a recent discharge. These exceedances indicate a discharge of waste from San Marcos II Landfill to waters of the State.
Valley Center	1B	3B	2B	A review of the recent monitoring reports for Valley Center Landfill indicates that there were exceedances of WQPS for chloride, calcium, and manganese during the 3rd Quarter 2014 monitoring event. Additionally, exceedances of WQPS of the following VOCs

Landfill	Current TTWQ and CPLX Rating	County of San Diego Proposed Modified TTWQ and CPLX Rating	San Diego Water Board Proposed TTWQ and CPLX Rating	San Diego Water Board TTWQ and CPLX Rating Determination Rationale
				were detected in a downgradient monitor well during the October 2015 to March 2016 Semiannual monitoring period: 1,1-Dichloroethane, cis-1,2-Dichloroethene, Dichlorodifluoromethane, Tetrachloroethene, Trichloroethene, and Vinyl Chloride. The landfill has impacts to groundwater that have migrated into several seep areas that discharge into surface waters. These exceedances and impacts to groundwater indicate a discharge of waste from Valley Center Landfill to waters of the State.
Viejas	1B	3B	2B	A review of the recent monitoring reports for Viejas Landfill indicates that there were exceedances of WQPS for thallium and vanadium during the 3rd Quarter 2014 monitoring event. Additionally, detections of Vanadium, 1,4-Dichlorobenzene, Benzene, cis-1,2-Dichloroethene, and Ethylbenzene above the WQPS occurred during the 3rd Quarter 2015 groundwater monitoring event. These exceedances indicate a discharge of waste from Viejas Landfill to waters of the State.

2210 Palomar Airport Road

Sean McClain - RE: Palomar Airport UST sites - meeting

From: Sean McClain
To: Olivier Brackett; DJohnson@scsengineers.com; Willie Vasquez; Wright, Tom
Date: 12/19/2011 2:05 PM
Subject: RE: Palomar Airport UST sites - meeting
CC: Jason.Forga@sdcounty.ca.gov; Stress, Michele

All,

It was great to meet with all of you and come to some consensus to move the UST cases along. To briefly summarize the outcome of the meeting:

1. **Western Flight:** The Regional Board will notify the County and Western Flight sometime in January 2012 that this case is being considered for closure.
2. **Former Air Resorts:** SCS will either evaluate the free product in MW-1b (i.e. product bail down test), or just remove the free product to the extent practicable.
3. **Jet Source:** The County and SCS will cooperate to release the existing monitoring data, or the County will have GeoSyntec sample the existing monitoring wells and submit the data to the Regional Board. I would like to close this case by March 2012, so please send me the data ASAP.

Thank you for your time on this matter. Please contact me if you have any questions.

Sean

Sean McClain
Engineering Geologist

Central Groundwater Unit
California Regional Water Quality Control Board - San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123
Phone: 858-627-3988

>>> On 12/6/2011 at 9:08 AM, in message <4EDE4BF3.717 : 164 : 9217>, Sean McClain wrote:

> Dan, December 13th at 10:00 AM works for me. Below, I have briefly discussed the Boards position on the following cases and we can discuss this further when we all meet. The goal is getting these cases closed.
>
> **Western Flight**
> The last time the wells were sampled was October 2007. Although dissolved phase constituents were detected in MW-1 and MW-3, no measurable free product was observed in the wells. The USTs and the release are located on Unit 2 of the landfill and the landfill wells provide additional delineation, not to mention the landfill SVE wells would help to remove the volatiles from the UST release. Therefore, the Board will be recommending closure for this case. I would like to see if the County has any objections to closing this case.
>
> **Former Air Resorts**
> As I mentioned the last time Tom and I met with the County Airport staff, the free product was the main concern, not delineation. The free product needs to be removed so the Board can agree to closure.
> I would recommend that the wells are not sampled and all effort done at this case is removing free product

to the extent technically practicable. Or, an argument could be made that this is a non beneficial use basin, the new building near the former USTs have vapor controls thus no risk, the UST is upgradient and next to unit 1 (it may be within unit 1), the landfill wells provide additional delineation and has SVE, etc... I think you could do ether option and the Board would concur with closure.

Jet Source
The Board has not seen any data from this site. We have tired to track down the former tank owner and have not had any luck. The County is the property owner and in charge of managing their lease with Jet Source. Therefore, the County is a responsible party for this release. The Board has two options: 1) issue an Investigative Order to the County to investigate the Jet Source release; 2) SCS and the County can come to some terms and release the data that was collected and make a case for closure; and 3) The Board recommends closure (in the meeting we can how this could be done).

Regards,

Sean

Sean McClain
Engineering Geologist

Central Groundwater Unit
California Regional Water Quality Control Board - San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123
Phone: 858-627-3988
>>> On 12/5/2011 at 5:10 PM, in message
<AD0DC24993FB9F4084A384A07C83ACBD04DA2D43@exchangescs.SCSEngineers.com>, "Johnson, Dan" <DJohnson@scsengineers.com> wrote:

> Sean:
>
> the 13th and the afternoon of the 14th are good.
>
> we represent Ted Vallas and former Air Resorts and Western Flight, but not Jet Source any longer.
>
> while the Board may want to consider them together, the client's and RPs are different. We will need to ask the clients in each case if they authorize us to meet with you and if they would like to attend (it is probably a good idea to have them involved).
>
> could you let me know what you would like to accomplish at the meeting (in terms of the benefits of actually meeting at the site I mean)
>
> it occurs to me that we could cover a lot of ground just by meeting in your office and going over the reports we have submitted. depending on whether the RPs would like to attend, that might drive the schedule toward separate meetings.
>
> **Western Flight**
>
> We did required investigation here and recommended site closure if memory serves. We will need to request that the client authorize monies for us to meet with you to discuss the site status
>
> **Air Resorts**
>
> The extent of the plume has been assessed and while there is LNAPL in one of the wells, we believe this site is ready for a CAP and may be a candidate for closure depending on what you want done with the LNAPL (what is "practicable" in terms of recovery; probably not very much given the formation).

Jet Source

We have installed wells for them and sampled them, but they elected not pay us so we never finished the report. We previously told you this and you may need to issue a order to move this along or take whatever action is necessary, but we do not control this process.

please let me know; we, too, would like to see these sites move along and in fact have been hoping for a response to reports we have submitted in the past. our interest are shared, just need to get on the same page.

thank you

Dan

Daniel E. Johnson
Vice President
San Diego Operations Manager
SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123
P. 858-571-5500 Ext. 234
F. 858-571-5357
djohnson@scsengineers.com

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From: Sean McClain [mailto:smcclain@waterboards.ca.gov]
Sent: Monday, December 05, 2011 2:09 PM
To: Wright, Tom; Olivier Brackett; Willie Vasquez
Cc: Johnson, Dan; Jason.Forga@sdcounty.ca.gov
Subject: RE: Palomar Airport UST sites - meeting

Tom,

That's unfortunate, I would like to move these projects along. But I also should have included Jason Forga from County Landfill as well. Let's reschedule the meeting. Please send me some dates and times we can all meet.

Sean

Sean McClain
Engineering Geologist

Central Groundwater Unit
California Regional Water Quality Control Board - San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123
Phone: 858-627-3988
>>> On 12/5/2011 at 1:02 PM, in message
<77BCEE87A4EE1840A0A3CC81A972B938066161D9@exchangescs.SCSEngineers.com>, "Wright,

Tom" <TWright@scsengineers.com> wrote:

> Sean,
> I'm not going to be able to make it to the meeting tomorrow due to a internal company meeting. If you would like a representative from to SCS to attend, we will need to reschedule the meeting.
> Tom Wright, PG
> P: 858-571-5500 ext 239
> Cell: 858-405-3504
> twright@scsengineers.com
>
> ---
>
> **From:** Sean McClain [mailto:smcclain@waterboards.ca.gov]
> **Sent:** Thursday, December 01, 2011 1:17 PM
> **To:** Wright, Tom; Olivier Brackett; Willie Vasquez
> **Subject:** RE: Palomar Airport UST sites - meeting
>
> All,
>
> Tuesday at 11:00 AM works for me. Tom please send me you cell number so I can call you when I get there.
>
> Sean
>
> Sean McClain
> *Engineering Geologist*
>
> Central Groundwater Unit
> California Regional Water Quality Control Board - San Diego Region
> 9174 Sky Park Court, Suite 100
> San Diego, CA 92123
> Phone: 858-627-3988
> >>> On 12/1/2011 at 1:00 PM, in message
> <98BE1CB6BD1A564FAE9C980E0887CAA6015A1B@USTLMCOSD072.cosd.co.san-diego.ca.us>,
> "Vasquez, Willie" <Willie.Vasquez@sdcounty.ca.gov> wrote:
>
> > Sorry for the delay, there are other staff that needs to be included in the meeting and it was a bit of a challenge to align the stars.
> >
> > Here are the times we can meet next week.
> >
> > Monday 1-5
> > Tuesday 11-5
> > Wednesday 1-5
> >
> > Preferably Tuesday or Wednesday.
> >
> > Guillermo (Willie) Vasquez
> > Airport Manager
> > C 760-497-4933
> > O 760-966-3272
> >
> > ---
> >
> > **From:** Wright, Tom [mailto:TWright@scsengineers.com]
> > **Sent:** Tuesday, November 29, 2011 9:21 AM

To: Brackett, Olivier; Vasquez, Willie; Sean McClain
Subject: Palomar Airport UST sites - meeting

Willie/OB,
Sean McClain from the Water Board would like to meet with Airport staff and I (SCS Eng) to discuss the three open underground storage tank (UST) cases at Palomar.

1. Western Flight tank Farm
2. Jetsource (removed tanks)
3. Former Air Resorts

We would like to get them closed and would like to discuss the plan of action. Can you let me know when you are available to meet with Sean and I next week?

thanks

Tom Wright, PG
Senior Project Professional
SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123
P. 858-571-5500 Ext. 239
Cell: 858-405-3504
F. 858-571-5357
twright@scsengineers.com

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H13987-001

County of San Diego

DANIEL J. AVERA
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

LARRY T. AKER
ASSISTANT DIRECTOR

February 11, 1997

Mr. Dave Hanna
County of San Diego
Department of Public Works
5555 Overland Avenue MS 0385
San Diego, CA 92123

Dear Mr. Hanna:

MCCLELLAN PALOMAR AIRPORT MASTER PLAN (PROJECT #647MP2)
REQUEST FOR REVIEW AND COMMENT IN ACCORDANCE WITH CEQA

The County of San Diego Department of Environmental Health (DEH) has reviewed the information provided in the January 13, 1997 letter from Department of Public Works, Assistant Deputy Director, Timothy A. Walsh, regarding the above-referenced project. The letter identified the DEH as a potential responsible agency in regards to the proposed project and requested a recommendation for the appropriate California Environmental Quality Act (CEQA) process. Outlined below are our comments and recommendations on the appropriate CEQA process for the McClellan Palomar Airport Master Plan project.

Based on the information provided, there are three Divisions within DEH which may act as CEQA responsible agencies:

The Local Enforcement Agency (LEA) regulates certain solid waste operations and has statutory authority under the Public Resources Code to oversee land-use changes at closed solid waste disposal sites, such as the old landfill underlying the project site. The LEA's approval of land-use and structural changes at closed solid waste disposal sites is a discretionary act.

The Site Assessment and Mitigation Division (SAM) has statutory authority under the Health & Safety Code and the Water Code for overseeing the installation of underground hazardous materials storage tanks and for overseeing the remediation of the environmental contamination resulting from leaking underground storage tanks. The underground storage tanks which currently exist at the project site may be removed and/or additional tanks may be installed in the future. The SAM Division's approval of underground storage tank installation and removal proposals is a ministerial act, while the approval of contamination remediation proposals is a discretionary act which qualifies for a CEQA categorical exemption.

Hazardous Material Management Division (HMMD) has statutory responsibility under the Health & Safety Code for overseeing the proper management of hazardous materials and hazardous waste. The project application indicates that hazardous materials are, and will continue to be, present at the site. Additionally, the HMMD also reviews plans and documentation required as part of the building permit/certificate-of-occupancy process under the regulations developed in response to Assembly Bill 3205. The HMMD's approval of hazardous materials and waste management activities, including Assembly Bill 3205 compliance, is generally a ministerial act.

Comments

A. Closed solid waste disposal sites, such as the old Landfill Units at the McClellan Palomar Airport, generate landfill gas. Landfill gas is typically comprised of equal parts of methane and carbon dioxide, along with trace concentrations of other chemicals. Methane is an explosive gas. Carbon dioxide is a simple asphixiant. Several of the trace chemicals are carcinogenic. Landfill gas is known to migrate below the ground surface and can accumulate in below-grade and at-grade confined spaces and structures.

   The potential for landfill gas migration and accumulation is cause for serious concern on the part of the LEA in regards to public health and safety threats arising from development on or adjacent to buried solid waste. The LEA has previously advised the County Department of Public Works, Airports Division on several occasions that explosive conditions have been detected in several vaults, buildings, and hangers at the McClellan Palomar Airport site. The LEA has repeatedly detected explosive conditions existing in the basement of the building located at 2128 Palomar Airport Road along the northern boundary of Landfill Unit 1 (see attached figure). In a letter to the Airport Manager, dated May 19, 1995, the LEA provided a recommendation that this particular building be demolished.

B. Closed solid waste disposal sites undergo subsidence and differential settlement. Subsidence and differential settlement can lead to surface cracks and loss of structural integrity of the landfill cover and buildings on or in the vicinity of the waste. These conditions can produce significant landfill gas migration pathways. These conditions may also allow for the infiltration of water into the waste material/fill, which may in turn result in increased landfill gas production rates and the concomitant landfill gas migration concerns. Construction improvements proposed in the Master Plan must be designed to ensure the integrity of the landfill cover in both the short- and long-term.

C. Construction improvements undertaken in areas of buried solid waste may result in significant worker and public health and safety impacts, as well as possible malodorous nuisance conditions. Excavations into waste, or the vicinity of waste, may expose workers and the public to landfill gas and other hazards.

D. There are two locations at the McClellan Palomar Airport site that are in various stages of investigation and remediation of environmental contamination resulting from leaking underground storage tanks. Both of these locations require additional environmental contamination assessment and continued ground water monitoring activities. The locations are: Burrows Southcoast Incorporated at 2160 Palomar Airport Road; and Western Flight International at 2210 Palomar Airport Road. The SAM Division is concerned about potential public health and safety impacts from short- and long-term exposure to contaminated soil and ground water resulting from construction improvement activities at these locations. The SAM Division may exercise discretionary authority in approving any improvements proposed for these two particular lease-holds, or any other sites which might be similarly impacted in the future.

Recommendations

The following recommendations are meant to be taken as a whole and reflect our interpretation of the options currently available in drafting the Master Plan.

1. In light of the comments in item A. above, we recommend that the McClellan Palomar Airport Master Plan project specifically describe the destruction of the building located at 2128 Palomar Airport Road. As long as this particular building continues to exist, it is our recommendation that the preparation of an Mitigated Negative Declaration or Environmental Impact Report would be the appropriate CEQA process to disclose and evaluate the potential significant public health and safety impacts of maintaining such a structure on or adjacent to a closed solid waste disposal site.

2. The LEA has regulatory authority to approve proposed construction improvements on and within 1000 feet of the closed Landfill Units at the McClellan Palomar Airport site. Considering that the McClellan Palomar Airport Master Plan is expected to address improvements over a 20-year period, either the Master Plan itself must incorporate the LEA's construction/improvement review and approval procedures or the CEQA process must provide a mechanism to direct compliance with the LEA's procedures. Should the Master Plan incorporate the LEA's procedures, then we recommend that the preparation of a Negative Declaration would be the appropriate CEQA process. Otherwise, we recommend that preparation of a Mitigated Negative Declaration or an Environmental Impact Report would be the appropriate CEQA process for adopting the Master Plan.

3. The McClellan Palomar Airport Master Plan should address the regulatory requirements for: 1) the handling and storage of hazardous materials and hazardous waste; 2) the installation or removal of underground storage tanks; and 3) obtaining approval to investigate and/or remediate environmental contamination resulting from leaking underground storage tanks. If these regulatory requirements are incorporated into the Master Plan, then we recommend that the preparation of a Negative Declaration would be the appropriate CEQA process. Otherwise, we recommend that preparation of a Mitigated Negative Declaration or an Environmental Impact Report would be the appropriate CEQA process for adopting the Master Plan.

As a final observation and depending upon the content of the Master Plan, we note that a Program, Staged, or Master Environmental Impact Report might be a useful first-tier CEQA document.

Thank you for the opportunity to comment on the nature of the CEQA process for adoption of the McClellan Palomar Airport Master Plan project. Please send any subsequent CEQA documentation on this project to my attention. If you wish to discuss more detailed mitigation measures or have any questions, please call me at (619) 338-2414.

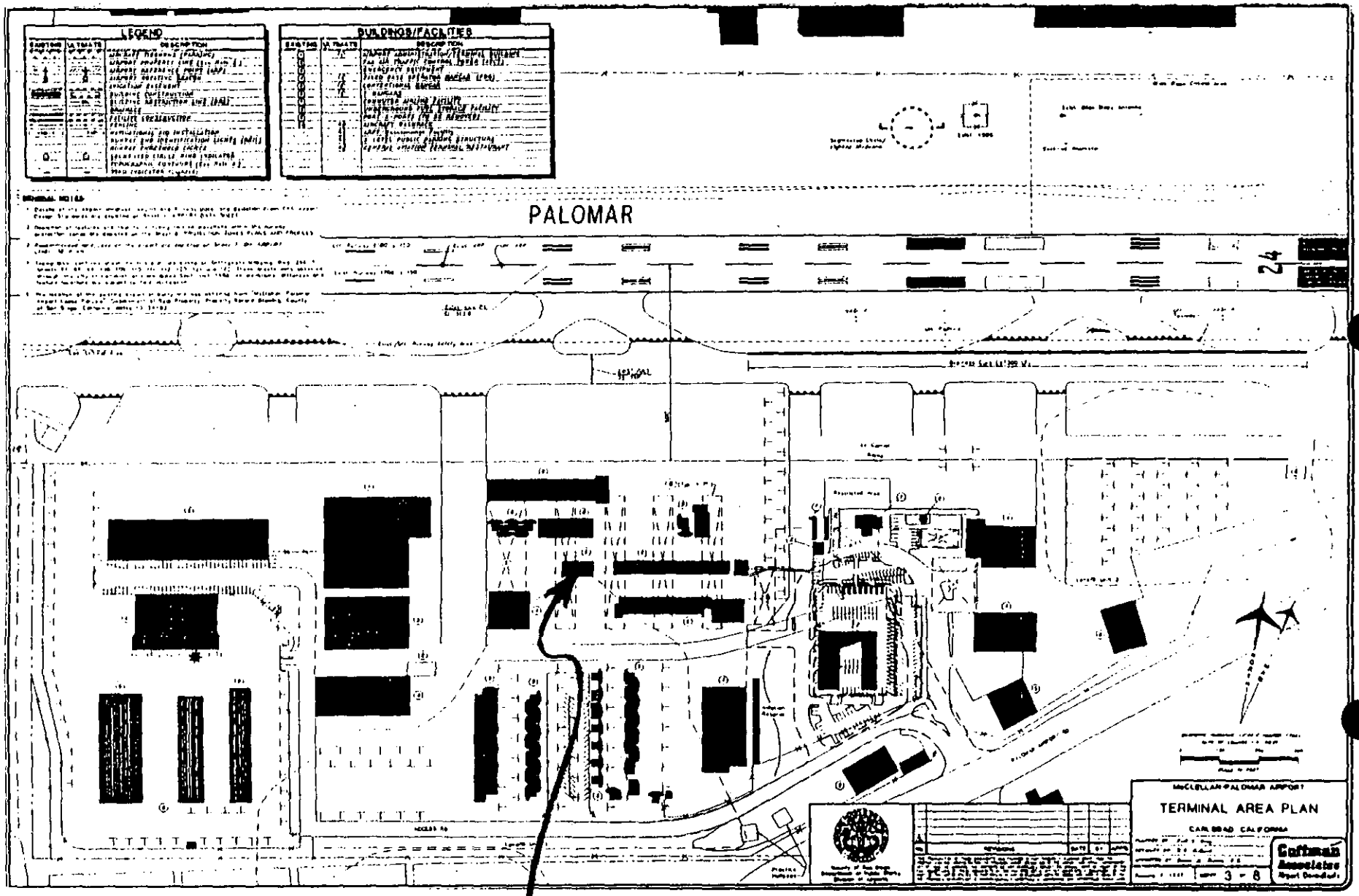
Sincerely,

RICHARD GILB, Hazardous Materials Specialist
Department of Environmental Health
Local Enforcement Agency

Attachment

RG:

cc: Joseph Minner, Director, DPW-Solid Waste Services
John Loane, CIWMB
Mark Alpert, Regional Water Quality Control Board
Tom Montgomery, County Counsel - DEH



Building known to the LEA as "2128 Palomar Airport Road."

SITE ASSESSMENT CASE STATUS NOTES

06 Feb 97

WESTERN FLIGHT INTERNATIONAL (PALOMAR AIRPORT)
H13987-001, 003

These LOP cases were referred to SAM as a result of damage (punctures) to 2 single-walled fiberglass USTs, with leakages of jet "A" and Avgas fuels into fill area "Unit 2" of the former Palomar Airport Landfill. The releases occurred approximately 5 years apart.

H13987-001; 12Kgal UST was punctured on or about 07 Dec 87. Approximately 3000-4000 gals of Avgas leaked into the landfill. The UST was repaired by the manufacturer and restored to service on 31 Dec 87.

H13987-003; 20Kgal UST was punctured, which caused approx 600 gal of JET "A" fuel to leak into the landfill on 24 Feb 92. (Complaint/Proposition 65 Disclosure Report #9202093, dtd 26 Feb 92) The UST was repaired by the manufacturer and restored to service on 04 Mar 92.

The site is located in the Encinas Hydrologic Area (HA 4.40) which has been designated as non-beneficial use.

NOTES:

- No site assessment activity concerning Release 003 was performed according to Monte Testerman (22 May 96), the Facility Manager, and DEH records.

A limited Site Assessment was conducted for Release 001. Lab reports indicated TPH(g) of 560 mg/kg at approximately 30 ft bgs, decreasing to ND at 70 ft bgs. No GW was encountered. A previous investigation by Applied Hydrogeologic Consultants, (Feb 88) indicated TPH(g) of 22,000 mg/kg at 30 ft bgs which decreased to ND at 70 ft bgs.

The most recent consultant for the assessment project, Hart Associates, Inc. recommended no further action due to the lack of impact to GW, the depth to GW, and current site usage.

Alex Naugle was the Specialist working on the case, followed by Steve Durham & Darryl Fowler.

UNIT 2:

Unit 2 covers approximately 5 acres, with a volume of fill material approximately 195,000 yds^3. Unit 2 was operated from 1968-1972 and was closed in 1975.

2-7 feet of soil cover was used to cover the landfill upon closure. Cover soil classifications ranged from silty and clayey sand to clay. Unit 2 is capped with asphalt, although subsidence is noticeable on the western edge of the Unit (see photos). The slope to the south of the fuel area is covered with vegetation (iceplant and weeds). The USTs were installed on native ground in a bed of pea gravel, surrounded by garbage, according to Eric Swanson, Field Operations Manager, (22 May 96).

Landfill Materials: Agricultural, municipal, residential, and commercial waste, sewer sludge, automotive lubricants, solvents, construction and paint waste. 55 gal drums of stuff, scrap, glass, and other garbage were reported. The landfill did not knowingly accept any radioactive materials. The contaminants from the fuel releases, Jet fuels & Avgas, are in the C9-C16 range.

Consultants: IT Corp, Hart Associates, Inc., & Applied Hydrogeologic Consultants Inc.

COMMENTS :

FOR RELEASE 001. The results of the field investigations performed by the consultants indicate the contamination was limited laterally to the vicinity of the USTs, with the greater amount 22,000 mg/kg TPH(g) being observed in the vertical at 30 feet bgs. Borings indicated the contamination decreased to ND at 70 ft bgs. Borings taken laterally were visually inspected, and not analyzed. The visual inspections reported no indications of fuel contamination.

GW was not encountered to depths of 70 ft bgs (from the airfield level).

GW averaged between 35-38 ft in MW-1 and MW-5 since 1991 with a decreasing trend {BENZENE) observed from 1 μg/L to ND noted in MW-1, and from 6 μg/L to 4 μg/L in MW-5 in Oct 96. MWs 1 & 5 are located downgradient and downslope of the fuel area. The elevation of these wells is between 290 and 295 ft above MSL.

Fonecon 030930 Feb 97 w/ Candace Gibson at DPW/Solid Waste Division. The GW reports do not reflect a lot of BTEX. I will forward the 1996 Reports to you. There are GW issues at Unit 2; except for the small amounts of benzene, the issues are not fuel related. We have a voluntary monitoring program with the RWQCB for Palomar. POC at RWQCB is Carol Tamaki.

Based upon the information presented, "No Further Action" is recommended for these two releases.

- Little or no impact to GW receptor by the fuel spills as indicated by the *low levels of benzene*.
- Decreasing benzene concentration trend indicated by the samples from the downgradient MW's.
- Site is capped with asphalt and concrete. Site usage is not envisioned to change in the near future.
- Site is former landfill with varying amounts of wastes. Indications are the spills may have degraded within the landfill, or have been absorbed by the landfill.
- The County Solid Waste Division has an ongoing monitoring program with the RWQCB.

FLIGHT INTERNATIONAL®
TRAINING CENTER
2210 Palomar Airport Road • Carlsbad, California 92008 • (619)438-6800

D.O.H.S.
DIV. OF E.H.P.
HAZ. MAT. UNIT
NOV 7 8 07 PM '88

November 2, 1988

Mr. Darryl Fowler
Environmental Health Services
Hazardous Material Management Division
P.O. Box 85261
San Diego, California 92138-5261

Ref: Your Letter dated 23 August 88/Fred C. Hart Associates Inc. Proposal dated 25 October 88

Dear Darryl:

Persuant to your request, enclosed, please find our proposal for a complete site assessment. So that we might begin our site assessment, please submit written approval of our plan no later than 18 November 88. I will be in touch with you via telephone by next Friday, 11 November 88 so that we might discuss this matter.

Should you have any questions, please don't hesitate to call.

Sincerely,

Dan W. Burkhart
Director of Operations - Carlsbad

DWB:nnn

Attachment

D.O.H.S.
DIV. OF E.H.P.
HAZ. MAT. UNIT
NOV 7 2 47 PM '88

PROPOSED SOIL BORING INVESTIGATION FOR FLIGHT INTERNATIONAL AT PALOMAR AIRPORT

Prepared for:

Flight International
2210 Palomar Airport Road
Carlsbad, California 92008

Prepared by:

Fred C. Hart Associates, Inc.
2041 Business Center Drive, Suite 110
Irvine, California 92715

October 25, 1988

00457-00/00001-01



HART

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SECTION 1.0
INTRODUCTION

1.1 Site Location

Flight International, is located at the east end of Palomar Airport at 2210 Palomar Airport Road in Carlsbad in San Diego County, California, as indicated in Figure 1.

1.2 History of Suspected Underground Storage Tank Release and Subsurface Investigations

Flight International owns and operates three underground fuel storage tanks (Two-20,000 gallon jet fuel tanks and one-12,000 gallon aviation fuel tank). During the period between December 4th and 7th, 1987, the aviation fuel tank inventory records indicated that a possible sudden loss of aviation fuel had occurred. As a result of the suspected loss of fuel, the tank was emptied on December 9th and 10th, 1988.

Following removal of fuel from the aviation gasoline tank, IT Corporation visually inspected the tank and reported that the interior surface of the tank was intact with no visible holes. The tank was subsequently filled with clean water and on December 12, 1987, IT performed a "petro-tite" precision tank test. The results of the test indicated that the tank was intact, but that the piping associated with the tank may have had a small leak. The water was then drained from the tank and disposed. (non-reported precision test failure)

may have been a failure? Typo?

On December 8, 1987, IT Corporation advanced four soil borings at a radius of approximately 9 to 38 feet, around the three underground storage tanks located at Flight International. The investigation involved only visual inspection of soil samples and no soil contamination was noted. (Donovan, 1988).

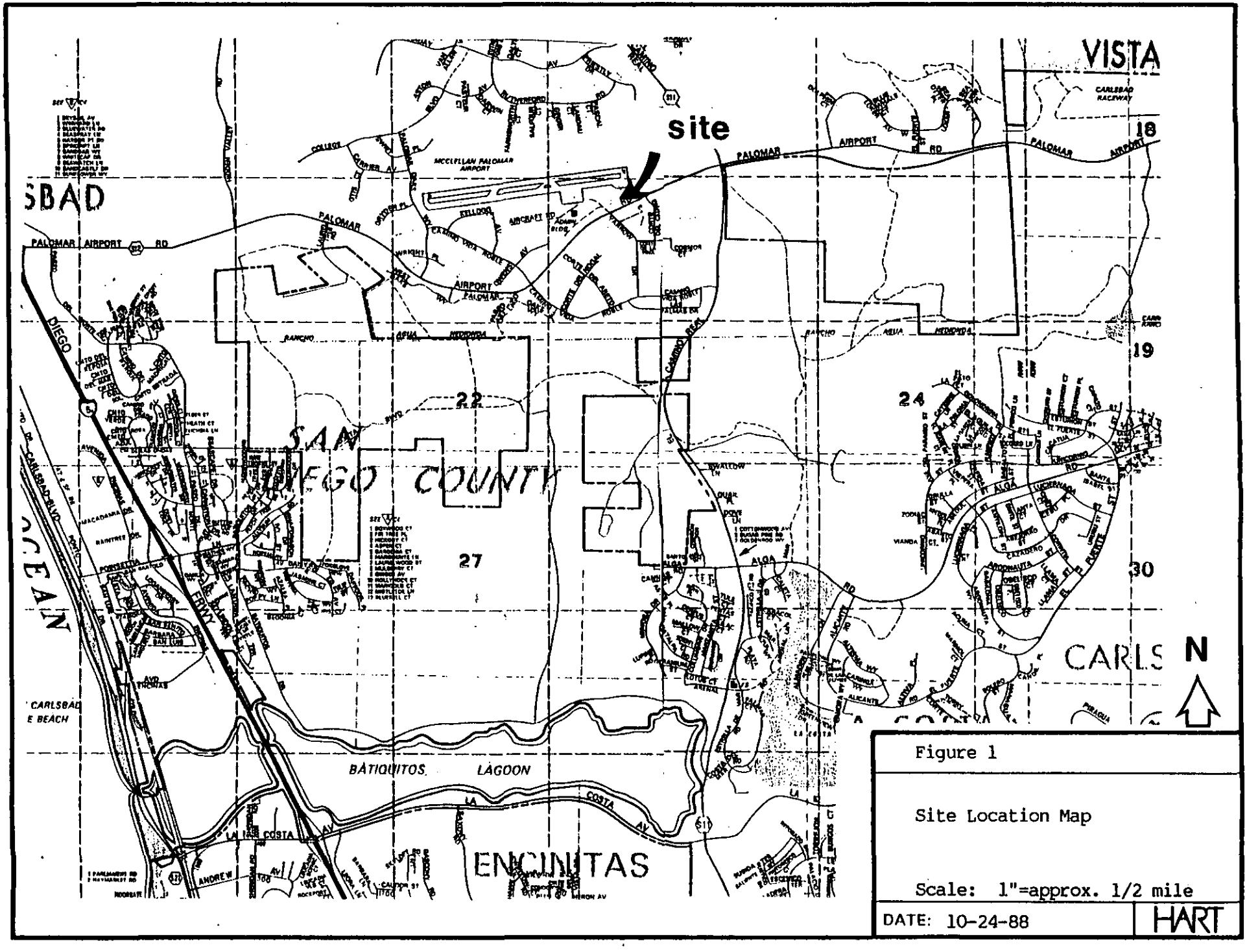


Figure 1

Site Location Map

Scale: 1"=approx. 1/2 mile

DATE: 10-24-88

HART

On December 31, 1987, the tank was inspected by Owens-Corning, of Ohio and found to have a 1 1/2-inch diameter hole in the bottom of the tank. The hole was repaired by Owens-Corning on December 31, 1987.

On February 19,1988, Applied Hydrogeologic Consultants, of San Diego advanced a boring adjacent to the aviation fuel storage tank to approximately 70 feet below ground surface. Three soil samples were analyzed for total petroleum hydrocarbons (TPH) using EPA Method 8015, modified for fuel hydrocarbons. Samples taken at 30 feet, 35 feet and 70 feet contained TPH at 22,000, 4,600 and <5 parts per million (ppm), respectively. (see Appendix A).

after repairs

On March 24, 1988, Lube Equipment and Pump Service performed a precision test which showed full tank integrity. Upon notification to the San Diego County Health Department, the tank was put back into service by Flight International.

1.3 Geology/Hydrogeology of Project Site Area

The project site is underlain by rocks of the Del Mar Formation Torrey Sandstone Subunit. Generally, these rocks consist of clean quartz-feldspar containing sandstones, clayey sandstones, siltstones and mudstones (Weber, 1982).

The facility is located in the Encinitas Subunit of the Carlsbad Hydrologic Unit. Alluvium and the Del Mar Formation (formerly the La Jolla Formation) are the major water-bearing sediments in the Carlsbad Hydrologic Unit. Generally, the groundwater produced in the area is comprised predominately of sodium chloride with total dissolved solids ranging from 500 to 5,000 ppm. The groundwater produced in this area ranges from suitable to inferior for domestic use and marginal to inferior for agricultural purposes (DWR, 1967). The Department of Water Resources has listed that, for the general area, wells have been completed predominately in alluvium sediments of either Canyon de las Encinitas and Agua Hedionda Creek tributary (DWR, 1967).

1.4 Purpose of Proposed Investigation

At this time, it is unknown whether the hydrocarbons detected in the soil are associated with an unauthorized release from a hole in the tank/piping or from accidental spillage around the tank. The sudden loss of fuel which spurred the initial investigation is believed to be associated with poor inventory records and/or a theft of fuel.

Fred C. Hart Associates, Inc. (HART) is proposing to conduct a boring and sampling program to assess the presence of fuel hydrocarbons present in soil underlying/adjacent to the tank farm. The following section describes the proposed subsurface investigation and sampling techniques to identify the extent of contamination.

Section 2.0
PROPOSED SOIL BORING INVESTIGATION

The soil boring investigation requires the vertical and lateral assessment of fuel hydrocarbons in the soils. To accomplish this objective, HART proposes to conduct a subsurface soils investigation.

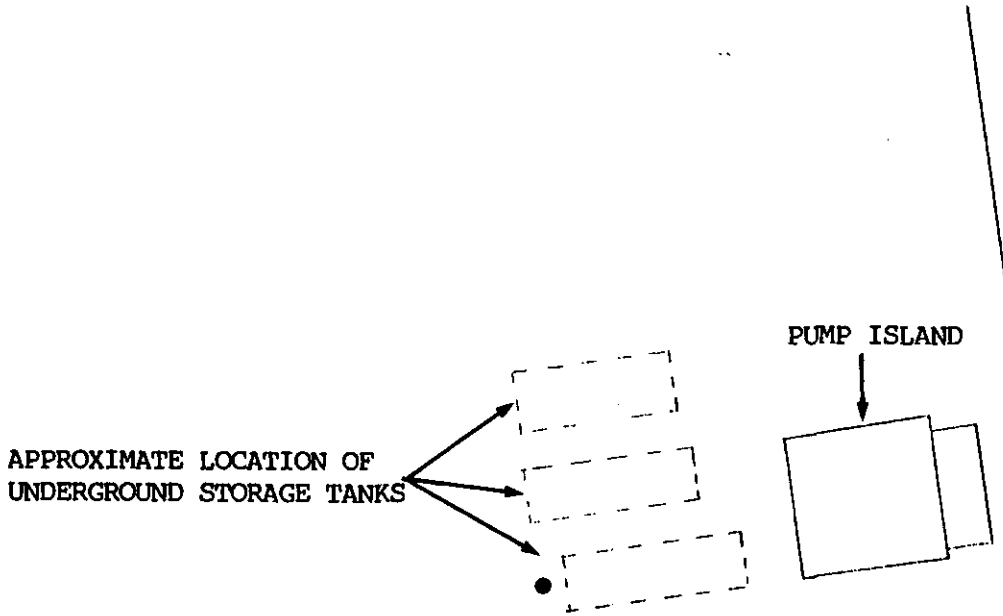
2.1 Conceptual Design

At the present time, HART is proposing to advance one boring adjacent to the underground aviation fuel storage tank to assess the presence of total petroleum hydrocarbon contamination. The proposed boring location is illustrated in Figure 2.

Based on the results of previous investigations conducted by IT Corporation and Applied Hydrogeologic Consultants, the boring will be placed approximately 5 feet west of the aviation fuel tank. Samples taken by Applied Hydrogeologic Consultants adjacent to and south of the aviation fuel tank show total petroleum hydrocarbons at 22,000 ppm and 4,600 ppm at 30 feet and 35 feet, respectively.

2.2 Drilling and Sampling Methodology

The borehole will be advanced with a truck mounted drill with continuous hollow stem flight auger. Samples will be collected in a standard split-spoon sampler. Samples will be collected at 5 foot intervals commencing at 0 feet and continuing to 70 feet. The sampler will be lined with thin-walled brass tubes measuring approximately 2 1/2 inches in diameter and 6 inches in length. For each sampling event, the sampler will be attached to a small diameter rod and lowered through the open hollow stem auger to undisturbed material below the bit. The sampler will be advanced by percussion action of a 140-pound free-falling drop hammer. The brass tube located adjacent to the cutting shoe



1"=20"

N

EXPLANATION

● Proposed Soil Boring Location

Figure 2

Proposed Soil Boring Location

DATE: 10-25-88

HART

of the sampler will be submitted to the laboratory for analysis. This sample is believed to be the least disturbed and most representative of the sample interval. Soil contained in the other brass tubes will be used to characterize the lithology. The boring log will be completed by a HART geologist, and will contain soil consistency, moisture, color, soil type and Unified Soil Classification symbols.

Soil samples and the airspace in the worker breathing zone will be screened using an Hnu photoionization detector to indicate the presence of volatile organic compounds.

2.3 Sample Packaging

Soil samples submitted to the laboratory for analysis will be immediately removed from the sampler and packaged for transportation. The packaging will consist of covering both ends of the brass tubes with aluminum foil, and securing with plastic caps and securing the caps with duct tape. Adhesive labels will be attached to the plastic caps and brass tubes to provide a tamper indicator seal. Sample labels will identify the project name, date and time of sample collection, sample number and the name of the individual collecting the sample. Samples submitted to the laboratory will be placed in zip-lock bags in a cooler with ice, cooling the samples to approximately 4 degrees Celsius.

2.4 Chain-of-Custody

A chain-of-custody form will accompany all samples during transportation to the laboratory within 24 hours of collection.

2.5 Laboratory Analysis

Soil samples will be submitted to Del Mar Analytical Laboratory of Irvine, a State Certified Laboratory, for analysis by the following methods:

- EPA Method 8015 (modified) for Total Petroleum Hydrocarbons
- EPA Method 8020 for Benzene, Toluene, Xylene and Ethylbenzene (BTX&E)
- EPA Method 7421 for Organic Lead

2.6 Decontamination

All brass tubes, split-spoon samplers and other field equipment used during drilling and sampling activities will be decontaminated prior to and after each sampling activity. Decontamination procedures will include: 1) a detergent (Liquinox) wash with a stiff brush, 2) fresh water rinse, 3) distilled water rinse, and 4) air dry.

The drill rig and auger flights will be steam cleaned prior to arrival and use at the project site and following boring activities.

2.7 Borehole Abandonment

The borehole will be backfilled to approximately 2 feet just below the surface with grout and capped to the surface with asphalt. Drill cuttings and decontaminate rinsate will be containerized in 55-gallon drums and left at the project site.

Section 3.0
FINAL REPORT

3.1 Summary of Field Activities

The final report will include the following information:

- o map including borehole locations
- o borehole drilling and sampling methodology
- o laboratory results of chemical analyses of soils
- o evaluation of chemical analyses
- o evaluation of the occurrence of fuel hydrocarbons beneath the aviation gasoline tank

3.2 Conclusions and Recommendations

Based on the previous investigations and the results of the proposed soil boring investigation, a conclusion will be reached regarding the vertical and horizontal extent of contamination next to the underground aviation gasoline storage tank. Recommendations will be made regarding the necessity for further investigations at Flight International.

Section 4.0
BIBLIOGRAPHY

California Department of Water Resources, 1967.
Ground Water Occurrence and Quality: San Diego Region.
Bulletin 106-2 Volume I and Volume II.

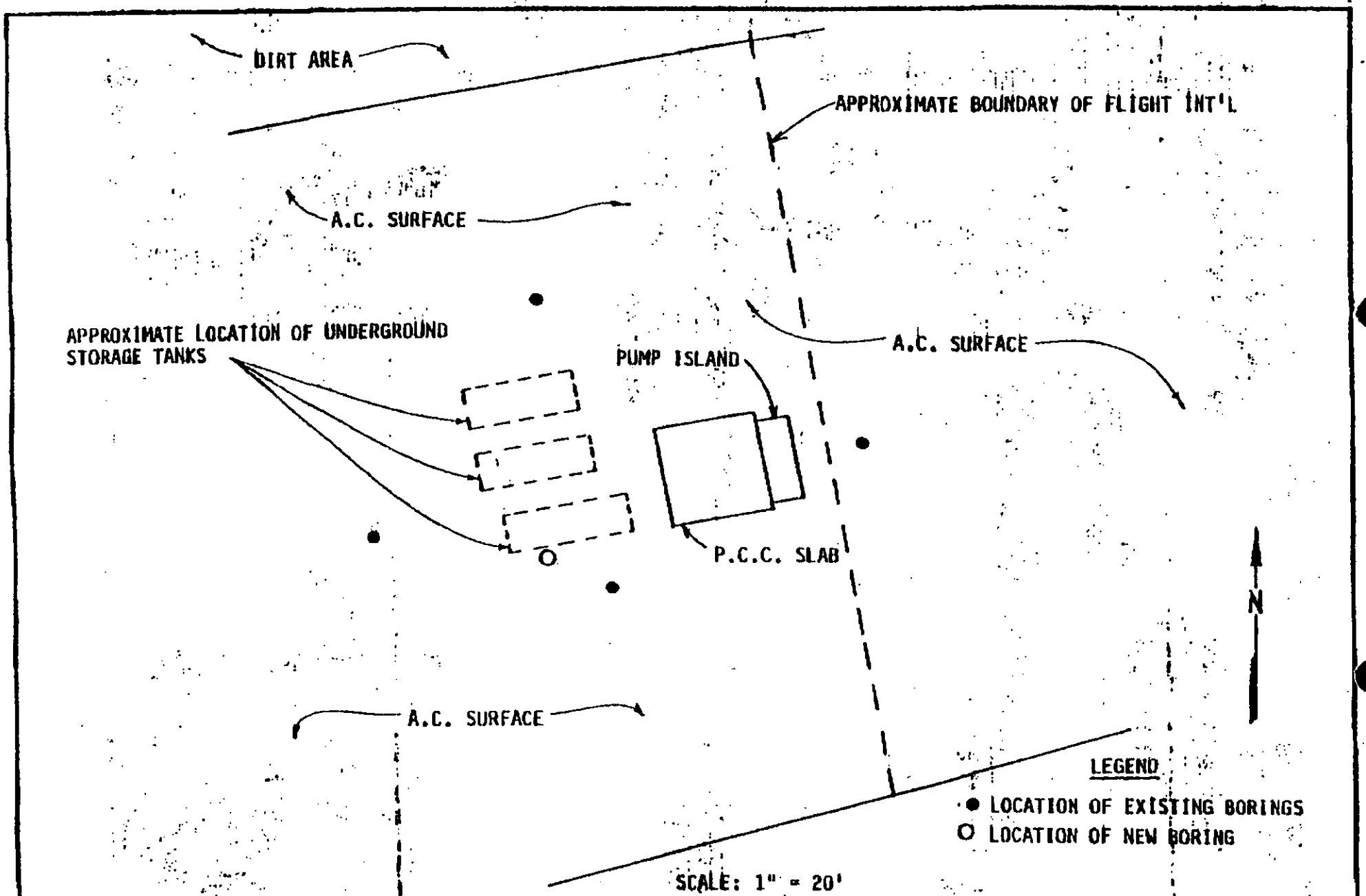
Weber Jr., F.H. 1982. Recent Slope Failures, Ancient Landslides and Related Geology of the North-Central Costal Area, San Diego County, California. California Division of Mines and Geology Open-File Report 82-12 LA.

Donovan, M.P. 1988. Personal Communication with R. Carey, I.T. Corporation.

APPENDIX A

IT CORPORATION
SOIL INVESTIGATION
AND LABORATORY RESULTS

SENT BY:FLIGHT INTL CRQ ;10-17-88 11:02AM ; 6199310987→ 714 752 6720;# 6



APPLIED HYDROGEOLOGIC consultants

SITE PLAN
FLIGHT INTERNATIONAL
PALOMAR AIRPORT

PROJECT NO.
AHC 19F2.8

BORING LOG

BORING NO. B1

DEPTH FEET	SOIL CLASSIFICATION SYMBOL	SAMPLE/TEST NUMBER	SOIL DESCRIPTION	COMMENTS
			3" Asphaltic concrete paving	
5			Pea gravel tank backfill material	
10				
15			Orange-tan, slightly damp, clayey fine sand and and silt with laminated clay	
20				Hydrocarbon odor
25				
30		△	Orange-tan, damp, firm, clayey siltstone (chips of formational material)	OVM = 10,000+ ppm
35		△	Orange-red, damp, stiff, fossiliferous lens of limestone w/in clayey fine sand and siltstone	OVM = 10,000+ ppm
40			Tan, damp, stiff clayey siltstone	Bag sample- hydrocarbon odor; OVM not functioning
45				Replaced OVM OVM = 8,500 ppm
50			Gray-green, damp, hard, clayey siltstone with fine sand	OVM = 10,000+ ppm

PROJECT NO.		FIGURE NO.
19F2.8	APPLIED HYDROGEOLOGIC consultants	1

BORING LOG

BORING NO. 31 continued

DEPTH FEET	SOIL CLASSIFICATION SYMBOL	SAMPLE/TEST NUMBER	SOIL DESCRIPTION	COMMENTS
55			Gray-green, damp, very hard, clayey siltstone with fine sand	OVM = 5,500 ppm
60			Gray, damp, very hard, siltstone	OVM = 5,250 ppm
65				OVM = 2,000 ppm
70		△		OVM = 1,500 ppm
			BOTTOM OF BORING	

PROJECT NO. 19F2.8

APPLIED HYDROGEOLOGIC consultants

FIGURE NO. 1 cont.

Analytical Technologies, Inc. Corporate Offices: 5550 Morehouse Drive San Diego CA 92121 (619) 458-9141

ATI I.D. 802164

RECEIVED
FEB 24 1988
Ans'd.....

February 23, 1988

Applied Hydrogeologic Consultants
3052 Clairemont Drive, Suite B
San Diego, California 92117

Project Name: Palomar Air

Project No.: 19F2.8

Attention: Annette Mannel

On February 19, 1988, Analytical Technologies, Inc. received three soil samples for analyses. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. Please see the attached sheet for the sample cross reference.

The results, sample cross reference, and the quality control data are enclosed.

ANALytical Tech. Soil Samp Rept 1988

Patricia A. Schroder
GC Supervisor

Richard M. Amano
Laboratory Manager

PS:mag

Analytical Technologies, Inc.

ATI I.D. 802164

ANALYTICAL SCHEDULE

CLIENT: APPLIED HYDROGEOLOGIC CONSULTANTS PROJECT NO.: 19F2.8
PROJECT NAME: PALOMAR AIR

ANALYSIS	TECHNIQUE	REFERENCE/METHOD
FUEL HYDROCARBONS	GC/FID	EPA 8015 (modified)

Analytical Technologies, Inc.

CLIENT : APPLIED HYDROGEOLOGIC CONSULTANTS DATE RECEIVED : 02/19/88
PROJECT # : 19F2.8
PROJECT NAME : PALOMAR AIR REPORT DATE : 02/23/88
ATI I.D. : 802164

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	B1D30	SOIL	02/19/88
02	B1D35	SOIL	02/19/88
03	B1D70	SOIL	02/19/88

TOTALS

MATRIX	# SAMPLES
SOIL	3

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from t
date of this report. If an extended storage period is required, please contac
our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80216401

TEST : FUEL HYDROCARBONS (MODIFIED EPA METHOD 8015)

CLIENT	: APPLIED HYDROGEOLOGIC CONSULTANTS	DATE SAMPLED	: 02/19/88
PROJECT #	: 19F2.8	DATE RECEIVED	: 02/19/88
PROJECT NAME	: PALOMAR AIR	DATE EXTRACTED	: 02/19/88
CLIENT I.D.	: B1D30	DATE ANALYZED	: 02/21/88
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
FUEL HYDROCARBONS	22000
HYDROCARBON RANGE	C6-C12
HYDROCARBONS QUANTITATED USING	GASOLINE

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80216402

TEST : FUEL HYDROCARBONS (MODIFIED EPA METHOD 8015)

CLIENT	: APPLIED HYDROGEOLOGIC CONSULTANTS	DATE SAMPLED	: 02/19/88
PROJECT #	: 19F2.8	DATE RECEIVED	: 02/19/88
PROJECT NAME	: PALOMAR AIR	DATE EXTRACTED	: 02/19/88
CLIENT I.D.	: B1D35	DATE ANALYZED	: 02/21/88
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
FUEL HYDROCARBONS	4600
HYDROCARBON RANGE	C6-C12
HYDROCARBONS QUANTITATED USING	GASOLINE

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 80216403

TEST : FUEL HYDROCARBONS (MODIFIED EPA METHOD 8015)

CLIENT	: APPLIED HYDROGEOLOGIC CONSULTANTS	DATE SAMPLED	: 02/19/88
PROJECT #	: 19F2.8	DATE RECEIVED	: 02/19/88
PROJECT NAME	: PALOMAR AIR	DATE EXTRACTED	: 02/19/88
CLIENT I.D.	: B1D70	DATE ANALYZED	: 02/21/88
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
FUEL HYDROCARBONS	<5
HYDROCARBON RANGE	-
HYDROCARBONS QUANTITATED USING	-

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 802164

TEST : FUEL HYDROCARBONS (MODIFIED EPA METHOD 8015)

CLIENT	: APPLIED HYDROGEOLOGIC CONSULTANTS	REF. I.D.	: 802164-03
PROJECT #	: 19F2.8	DATE ANALYZED	: 02/21/88
PROJECT NAME	: PALOMAR AIR	SAMPLE MATRIX	: SOIL
		UNITS	: MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
FUEL HYDROCARBONS	<5	500	540	108	510	102	6

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

FLIGHT INTERNATIONAL
2210 Palomar Airport Road • Carlsbad, California 92008 • (619) 438-6800

September 30, 1988

Oct 4 2 52 PM '88
HMMD

Mr. Darryl Fowler
Hazardous Materials Specialist
County of San Diego
Hazardous Materials Management Division
P.O. Box 85261
San Diego, CA 92138-5261

Re: Site Assessment at 2210 Palomar Airport Road, Carlsbad, CA

Dear Mr. Fowler:

This letter is to inform you that Fred C. Hart Associates, Inc. (HART) is in the process of finalizing the workplan associated with the leaking underground storage tank assessment.

I anticipate that the workplan will be ready for your review on or before October 19, 1988.

I have been recently informed by HART that this site is located in a Non-Beneficial Use Water area as established by the Regional Water Quality Control Board (RWQCB) versus a Beneficial Use Water Area stated in your letter dated August 23, 1988.

As I understand the maximum contaminant levels permitted to remain in soils and groundwater and the requirements for remediation are different for non-beneficial versus beneficial use. I am requesting that you update your letter of August 22, 1988 regarding this aspect of Flight International's file.

If you have any questions, please feel free to contact me at your convenience.

Sincerely,

FRED C. HART ASSOCIATES, INC.

Dan W. Burkhart
Director of Operations
Carlsbad

"HMMU"

SEP 12 3 11 PM '88

FLIGHT INTERNATIONAL

2210 Palomar Airport Road • Carlsbad, California 92008 • (619)438-6800

09 September 1988

Mr. Darryl Fowler
Hazardous Materials Specialist
County of San Diego
Hazardous Materials Management Division
P. O. Box 85261
San Diego. CA 92138-5261

RE: Your letter dated 23 August 1988

Dear Darryl.

On 05 July 1988 I wrote you pursuant to our telephone conversation of 24 June 1988. Your letter referred above and post marked 08 September 1988 was received today and is evidently in response to my request.

I have forwarded your requirements to our consultants. Hart Environmental. and will be in communication with you regarding any questions we may have. Should you have any questions. please give me a call.

Sincerely.

Dan W. Burkhart
Director of Operations
Carlsbad

DWB/ks

FLIGHT INTERNATIONAL
2210 Palomar Airport Road • Carlsbad, California 92008 • (619)438-6800

JUL 7 3 31 PM '88
HMMD

5 July 1988

Mr. Darryl J. Fowler
Environmental Health Services
Hazardous Materials Management Division
P. O. Box 85261
San Diego. CA 92138-5261

Dear Darryl.

Pursuant to our telephone conversation of 24 June 1988. I am writing to inform you that we are now working with Hart Environmental out of Irvine California as our consultant in the investigation of our suspected aviation gasoline fuel tank leak.

So that Hart Environmental will have specific directions as to the requirements of San Diego County regarding this matter. please send me a letter outlining the information which you require. In the meantime. should you have any questions. please do not hesitate calling.

Sincerely.

Dan W. Burkhart
Director of Operations
Carlsbad

DWB/ks

H 13987

FLIGHT INTERNATIONAL
2210 Palomar Airport Road • Carlsbad, California 92008 • (619)438-6800

MAR 31 9 41 AM '88

30 March 1988

Mr. Mike Vernetti
Environmental Health Services
Hazardous Materials Management
P.O. Box 85261
San Diego, California 92138-5261

Re: Precision Tank Test
My letter dated 23 March 1988

Dear Mike,

Pursuant to your direction, we have completed a precision tank test on our aviation gasoline tank. Enclosed please find copies of documentation of the results.

Sincerely,

Dan Burkhart
Director of Operations - Carlsbad

Enclosure

14. Flight International | 2210 Palomar Airport Rd | Carlsbad | Ca | 92008 | 3-24-88
Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

15. TANK TO TEST
South
Identity by position
Avgas (Tank Empty - Testing with water)
Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD
Runway
Bldg
South Tank

16. CAPACITY
Nominal Capacity 12,000 Gallons
By most accurate capacity chart available 11627 Gallons
From
☒ Station Chart
☒ Tank Manufacturer's Chart Owens Corning
☐ Company Engineering Data Lo-5
☐ Charts supplied with
☐ Other

17. FILL-UP FOR TEST
Stick Water Bottom before Fill-up Tank filled with water to ¼" in.
92 Gallons
92 Tank Diameter in.

	Gallons	Total Gallons ea. Reading
Inventory 91"		11,627
Top Off	60	11687
		11687

Transfer total to line 25a

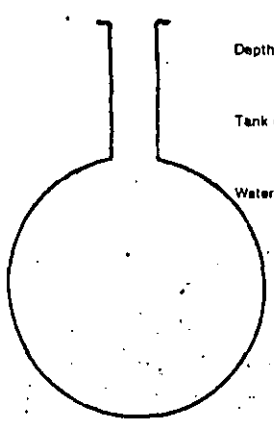
18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK ☐ Water in tank ☐ Line(s) being tested with LVLLT ☐ High water table in tank excavation

See manual sections applicable. Check below and record procedure in log (27).

Use maximum allowable test pressure for all tests.
Four pound rule does not apply to doublewalled tanks.

Complete section below:

1. Is four pound rule required? Yes ☐ No ☒
2. Height to 12" mark from bottom of tank 145 in.
3. Pressure at bottom of tank 5.2 P.S.I.
4. Pressure at top of tank 1.9 P.S.I.



NOTES:

The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressures.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to grade* 125 in.
Add 30" for "T" probe assy. 30 in.
Total tubing to assemble — approximate 155 in.

20. EXTENSION HOSE SETTING
Tank top to grade* 34 in.
Extend hose on suction tube 6" or more below tank top 7.10" 44 in.
*If Fill pipe extends above grade, use top of fill.

22. Thermal-Sensor reading after circulation 12132 digits
59-60 °F Between
23. Digits per °F in range of expected change 320 digits

COEFFICIENT OF EXPANSION (Complete after circulation)
24a. Corrected A.P.I. Gravity
Observed A.P.I. Gravity
Hydrometer employed H
Observed Sample Temperature °F
Corrected A.P.I. Gravity @ 60° F. From Table A
Coefficient of Expansion for Involved Product From Table B
Transfer COE to Line 25b.

21. VAPOR RECOVERY SYSTEM ☒ Stage I ☒ Stage II Balance

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD
Type of Product
Hydrometer Employed H
Temperature in Tank After Circulation °F
Temperature of Sample °F
Difference (+/-) °F
Observed A.P.I. Gravity
Reciprocal Page #
Total quantity in full tank (18 or 17) + Reciprocal * Volume change in this tank per °F
Transfer to Line 26a.

24c. FOR TESTING WITH WATER see Table C & D
Water Temperature after Circulation Table C 59 °F
Coefficient of Water Table D .00008382
Added Surfactant? ☒ Yes ☐ No Transfer COE to Line 25b.

25. (a) 11687 Total quantity in full tank (16 or 17) × (b) .00008382 Coefficient of expansion for involved product = (c) .9796043 Volume change in this tank per °F gallons
26. (a) .9796043 Volume change per °F (25 or 24b) ÷ 320 Digits per °F in test Range (23) = .0030612 Volume change per digit Compute to 4 decimal places. This is test factor (a) .0031

LUBE EQUIPMENT & PUMP SERVICE
(619) 234 3561

1795 LOGAN AVENUE
SAN DIEGO CA 92113

PRECISION TANK SYSTEM TEST RESULTS

TEST LOCATION

Flight International
2210 Palomar Airport Rd
Carlsbad, CA 92008
W/O #: 1300
DATE: 3-24-88

INVOICE ADDRESS

Same

REQUESTED BY: Carl Butterworth
PHONE: 438-6800

TANK	LOCATION	CAPACITY	PRODUCT	TIGHT	LEAKAGE INDICATED	DATE	TEST METHOD
1	South	12,000	Water	+.012		3-24-88	Petro-Tite
2							
3							
4							
5							
6							

TANK	TANK MATERIAL	WATER IN TANK	WATER IN EXCAVATION	PUMP TYPE	PHASE II VAPOR RECOVERY
1	South Fiberglass	-	-	Suction	Balance
2					
3					
4					
5					
6					

ADDITIONAL INFORMATION

All underground plumbing included in test, tested with water-added 12 pints surfactant used 2 pumps for proper circulation.

SPECIAL INSTRUCTIONS:

TEST(S) WERE MADE ON THE ABOVE TANK SYSTEMS WITH TEST PROCEDURES PRESCRIBED FOR AS DETAILED ON ATTACHED TEST CHARTS ON DATE(S) SHOWN. THOSE INDICATED AS "TIGHT" MEET THE CRITERIA ESTABLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION PAMPHLET #329.

Data Chart for Tank System Tightness Test

PLEASE PRINT

1. OWNER Property ☐ Tank(s) ☐

Flight International 2210 Palomar Airport Rd Carlsbad Ca. 92008
Name — Address — Representative — Telephone

Name — Address — Representative — Telephone

2. OPERATOR

Same
Name — Address — Telephone

3. REASON FOR TEST (Explain Fully)

Tank to be tested following repair work

4. WHO REQUESTED TEST AND WHEN

Carl Butterworth — Title — Company or Affiliation — 3-23-88 Date
Name — Address — 438-6800 Telephone

5. TANK INVOLVED Use additional lines for manifolded tanks

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
South	12,000	Owens Corning	Water		Fiberglass

6. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
South East End of Field	Asphalt	4"	2"	None	Suction
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titefill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

7. UNDERGROUND WATER

Depth to the Water table Below Tank Bottom

Is the water over the tank? ☐ Yes ☒ No

8. FILL-UP ARRANGEMENTS

Tanks to be filled 0800 hr. Date Arranged by
Name — Telephone

Extra product to "top off" and run tank tester. How and who to provide? Consider NO Lead.

Water

Terminal or other contact for notice or inquiry
Company — Name — Telephone

9. CONTRACTOR, MECHANICS, any other contractor involved

Lube Equipment & Pump Service — Barry Sanborn

10. OTHER INFORMATION OR REMARKS

All underground plumbing included in test
Tested with water, added 12 pts. Amlock (Surfactant)
Used 2 pumps

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test, etc.

11. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for as detailed on attached test charts with results as follows:

Tank Identification	Tight	Leakage Indicated	Date Tested
South	+.012		3-24-88

12. SENSOR CERTIFICATION

3-24-88 Date

1235 Serial No. of Thermal Sensor

13. This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

Technicians

1. Barry Sanborn — Certification # 414812286

2. — Certification #

Lube Equipment & Pump Service — Barry Sanborn
Testing Contractor or Company. By: Signature

1795 Logan Ave San Diego Ca. 92103
Address

PN6827

27. Sensor Calibration 14900 / 14899 — LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGING EACH READING	39. ACCUMULATED CHANGE
28. DATE / TIME (24 hr.)	Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Graduate: Before Reading	32. Product in Graduate: After Reading	33. Product Replaced (-) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower - (c)	37. Computation (c) × (a) = Expansion + Contraction -	Temperature Adjustment: Volume Minus Expansion (+) or Contraction (-) #33(V) — #37(T)	At Low Level compute Change per Hour (NFPA criteria)
0745	At site removed drop tube : take tank burial dimensions - Tank to be filled with water - not full.											
	Began setting up equipment - using 2 pumps for proper circulation - disconnected and plugged vapor line											
0930	Tank filled - set up second set of equipment											
1045	Pumps Primed and circulating above 42"				Self check sensor box OK							
											Factor A	.0031
1145	First High Level Sensor Reading	1		42				12132				
1200	Begin High Level Test	2	39.8	42	.875	.645	-.230	12137	+5	+.016	-.246	
1215	Test Continues	3	41.3	42	.645	.575	-.070	12147	+10	+.031	-.101	
1230	"	4	41.8	42	.575	.555	-.020	12155	+8	+.025	-.045	
1245	"	5	41.7	42	.555	.515	-.040	12160	+5	+.016	-.056	
1300	"	6	41.6	42	.515	.470	-.045	12167	+7	+.022	-.067	
1315	"	7	41.4	42	.470	.395	-.075	12174	+7	+.022	-.095	
1330	"	8	41.5	42	.395	.355	-.040	12181	+7	+.022	-.062	
1331	Lower Level to 12" Mark											
1345	First Low Level Sensor Reading	1		12				12190				
1400	Begin Low Level Test	2	12.8	12	.545	.610	+.065	12198	+8	+.025	+.040	
1415		3	13.2	12	.410	.505	+.095	12205	+7	+.022	+.073	
1430	Removed plug from Vaporline - released	4	12.8	12	.505	.575	+.070	12211	+6	+.019	+.059	
1445	trapped air	5	12.7	12	.575	.630	+.055	12219	+8	+.025	+.030	
1500	Test Continues	6	12.4	12	.150	.205	+.055	12227	+8	+.025	+.030	+.030
1515	"	7	12.2	12	.205	.220	+.015	12233	+6	+.019	-.004	+.026
1530	"	8	12.1	12	.220	.225	+.005	12240	+7	+.022	-.017	+.009
1545		9	12.2	12	.225	.245	+.020	12245	+5	+.016	+.004	+.012

FLIGHT INTERNATIONAL
2210 Palomar Airport Road • Carlsbad, California 92008 • (619)438-6800

MAR 23 1 28 PM '88

23 March 1988

Mr. Darryl J. Fowler
Environmental Health Services
Hazardous Materials Management Division
P.O. Box 85261
San Diego, California 92138-5261

Dear Darryl,

I am writing to confirm my understanding of our telephone conversation of Friday, 18 March 1988. Per our discussion, our company will perform a precision test on our aviation gasoline tank. If result is negative (no leak greater than county limits) we will return this tank to service.

If I have misunderstood your requirements, please contact me immediately.

Sincerely,

Dan Burkhart
Director of Operations - Carlsbad

1400 3/23/88 I talked with Dave Carey, he did not see any reason why the tank could be place back into service upon ~~practice~~ negative testing for tanks.

INTERNATIONAL TECHNOLOGY CORPORATION

IT
INVESTI-
GATION
REPORT
Feb
88

February 1, 1988

Mr. Daryl Fowler
San Diego County
Department of Health Services
Hazardous Materials Management Division
1700 Pacific Highway
San Diego, CA 92101

Re: Flight International, 2210 Palomar Airport Road, Carlsbad, CA

Dear Mr. Fowler:

As you are aware, a suspected unauthorized release of aviation gasoline was reported at the subject site on December 7, 1987. IT Corporation has reviewed this incident and all of the available information. As requested by your office, the following is a chronology of the events and findings at the site.

December 3-4, 1987 - 9,000 gallons of aviation gasoline were delivered to Flight International.

December 4-7, 1987 - Tank dipstick readings indicated a possible loss of 1,800 - 4,000 gallons of fuel. The available records suggest that the amount lost is closer to 1,800 gallons than the worst case reported.

As a result of the suspected loss of fuel, the storage tank was emptied of all but residual fuel. The fuel removed from the tank was placed into Flight International's aircraft refueling trucks.

December 8, 1987 - IT Corporation drilled four soil borings around the subject tank. Absolutely no fuel contaminated soil was found. The site plan with the locations of the soil borings is attached.

December 9-10, 1987 - IT Corporation pumped and cleaned the subject tank leaving the tank empty and dry.

December 11, 1987 - IT Corporation inspected the interior surfaces of the tank. This inspection, performed by George Donley, revealed an intact interior surface of the tank. Specifically, Mr. Donley carefully inspected the floor of the tank for dipstick holes. No such holes were found. A statement by Mr. Donley is attached.

December 12, 1987 - IT filled the tank with clean water to allow precision testing of the tank.

The tank was tested by IT using a "petro-tite" tank tester. This data is also enclosed. The tank passed the low test but failed the high (system) test. This indicated that the tank was intact, but the piping associated with the tank may have a small leak.

December 16-18, 1987 - The clean water was removed from the tank and disposed of. This water did not contain any gasoline.

December 31, 1987 - At Flight International's request, Owens-Corning inspected the tank. Their report is enclosed. O-C found a 1 1/2 inch diameter hole in the bottom of the tank. This hole was repaired by O-C.

IT has reviewed Flight International's records and determined that FI's recordkeeping is inaccurate. It was discovered that the actual volume of gasoline in the tank prior to the December 3 fuel delivery is unknown. FI is taking steps to correct this situation. One of these is to develop a consistant method for tank measurement.

Conclusions

The IT personnel involved in the inspection of the tank are adamant that there was no hole in the bottom of the tank. The tank testing which occurred after this inspection confirms this finding. Moreover, a hole of that size would have shown a substantial leak during the precision testing. The logical conclusion is that the tank was punctured between December 18 and 31. This suggests also that the large leak of fuel which was reported to your office was in fact a fictitious report. In IT's opinion, no such leak occurred.

Recommendations

IT recommends exposure and repair of the tank piping. If, during the repair, any of the surrounding soil is found to be contaminated, that soil should be removed as a hazardous waste. IT further recommends that one soil boring be made under the tank to confirm the absence of contamination in that area.

A copy of all available data and an unauthorized release report is attached for your review. If you have any questions, or if we can be of assistance in any way, please do not hesitate to contact us.

Sincerely,

IT CORPORATION

R. E. Carey, Jr.
General Manager

Enc.

cc: D. Burkhart
Flight International

OWENS/CORNING FIBERGLAS

T[redacted] chart can be used to gauge model G-6 tanks.

Fiberglas* Tanks for Fu[redacted] Storage

Calibration Chart

Model G-5 12,000 Gallon Tanks

Model G-5 12,000 Gallon Tanks/Tank Size and Capacity in Gallons

Calibrations for Level Tanks — Actual Capacity 11627 Gallons

Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons
1/8"	1	6 1/2"	340	12 7/8"	933	19 1/4"	1689	25 5/8"	2560	32"	3519	38 3/8"	4541
1/4"	3	6 5/8"	350	13"	946	19 3/8"	1705	25 3/4"	2578	32 1/8"	3538	38 1/2"	4561
3/8"	5	6 3/4"	359	13 1/8"	959	19 1/2"	1721	25 7/8"	2596	32 1/4"	3558	38 5/8"	4582
1/2"	7	6 7/8"	369	13 1/4"	973	19 5/8"	1738	26"	2615	32 3/8"	3577	38 3/4"	4602
5/8"	10	7"	379	13 3/8"	986	19 3/4"	1754	26 1/8"	2633	32 1/2"	3597	38 7/8"	4623
3/4"	14	7 1/8"	389	13 1/2"	1000	19 7/8"	1770	26 1/4"	2651	32 5/8"	3617	39"	4643
7/8"	17	7 1/4"	400	13 5/8"	1014	20"	1786	26 3/8"	2669	32 3/4"	3636	39 1/8"	4664
1"	21	7 3/8"	410	13 3/4"	1028	20 1/8"	1803	26 1/2"	2687	32 7/8"	3656	39 1/4"	4684
1 1/8"	25	7 1/2"	420	13 7/8"	1042	20 1/4"	1819	26 5/8"	2706	33"	3676	39 3/8"	4705
1 1/4"	29	7 5/8"	430	14"	1056	20 3/8"	1835	26 3/4"	2724	33 1/8"	3695	39 1/2"	4726
1 3/8"	34	7 3/4"	441	14 1/8"	1070	20 1/2"	1852	26 7/8"	2742	33 1/4"	3715	39 5/8"	4746
1 1/2"	38	7 7/8"	452	14 1/4"	1084	20 5/8"	1868	27"	2761	33 3/8"	3735	39 3/4"	4767
1 5/8"	43	8"	462	14 3/8"	1098	20 3/4"	1885	27 1/8"	2779	33 1/2"	3754	39 7/8"	4788
1 3/4"	48	8 1/8"	473	14 1/2"	1112	20 7/8"	1902	27 1/4"	2797	33 5/8"	3774	40"	4808
1 7/8"	53	8 1/4"	484	14 5/8"	1127	21"	1918	27 3/8"	2816	33 3/4"	3794	40 1/8"	4829
2"	59	8 3/8"	495	14 3/4"	1141	21 1/8"	1935	27 1/2"	2834	33 7/8"	3814	40 1/4"	4850
2 1/8"	64	8 1/2"	506	14 7/8"	1155	21 1/4"	1952	27 5/8"	2853	34"	3834	40 3/8"	4870
2 1/4"	70	8 5/8"	517	15"	1170	21 3/8"	1968	27 3/4"	2871	34 1/8"	3854	40 1/2"	4891
2 3/8"	76	8 3/4"	528	15 1/8"	1184	21 1/2"	1985	27 7/8"	2890	34 1/4"	3873	40 5/8"	4912
2 1/2"	82	8 7/8"	539	15 1/4"	1199	21 5/8"	2002	28"	2909	34 3/8"	3893	40 3/4"	4933
2 5/8"	88	9"	550	15 3/8"	1213	21 3/4"	2019	28 1/8"	2927	34 1/2"	3913	40 7/8"	4953
2 3/4"	94	9 1/8"	561	15 1/2"	1228	21 7/8"	2036	28 1/4"	2946	34 5/8"	3933	41"	4974
2 7/8"	101	9 1/4"	573	15 5/8"	1243	22"	2053	28 3/8"	2965	34 3/4"	3953	41 1/8"	4995
3"	108	9 3/8"	584	15 3/4"	1257	22 1/8"	2070	28 1/2"	2983	34 7/8"	3973	41 1/4"	5016
3 1/8"	114	9 1/2"	596	15 7/8"	1272	22 1/4"	2087	28 5/8"	3002	35"	3993	41 3/8"	5036
3 1/4"	121	9 5/8"	608	16"	1287	22 3/8"	2104	28 3/4"	3021	35 1/8"	4013	41 1/2"	5057
3 3/8"	128	9 3/4"	619	16 1/8"	1302	22 1/2"	2121	28 7/8"	3040	35 1/4"	4033	41 5/8"	5078
3 1/2"	135	9 7/8"	631	16 1/4"	1317	22 5/8"	2138	29"	3059	35 3/8"	4053	41 3/4"	5099
3 5/8"	143	10"	643	16 3/8"	1332	22 3/4"	2155	29 1/8"	3077	35 1/2"	4073	41 7/8"	5120
3 3/4"	150	10 1/8"	655	16 1/2"	1347	22 7/8"	2172	29 1/4"	3096	35 5/8"	4094	42"	5141
3 7/8"	157	10 1/4"	667	16 5/8"	1362	23"	2190	29 3/8"	3115	35 3/4"	4114	42 1/8"	5162
4"	165	10 3/8"	679	16 3/4"	1377	23 1/8"	2207	29 1/2"	3134	35 7/8"	4134	42 1/4"	5182
4 1/8"	173	10 1/2"	691	16 7/8"	1392	23 1/4"	2224	29 5/8"	3153	36"	4154	42 3/8"	5203
4 1/4"	181	10 5/8"	703	17"	1407	23 3/8"	2242	29 3/4"	3172	36 1/8"	4174	42 1/2"	5224
4 3/8"	189	10 3/4"	715	17 1/8"	1423	23 1/2"	2259	29 7/8"	3191	36 1/4"	4194	42 5/8"	5245
4 1/2"	197	10 7/8"	727	17 1/4"	1438	23 5/8"	2276	30"	3210	36 3/8"	4215	42 3/4"	5266
4 5/8"	205	11"	740	17 3/8"	1453	23 3/4"	2294	30 1/8"	3229	36 1/2"	4235	42 7/8"	5287
4 3/4"	213	11 1/8"	752	17 1/2"	1469	23 7/8"	2311	30 1/4"	3249	36 5/8"	4255	43"	5308
4 7/8"	222	11 1/4"	765	17 5/8"	1484	24"	2329	30 3/8"	3268	36 3/4"	4275	43 1/8"	5329
5"	230	11 3/8"	777	17 3/4"	1500	24 1/8"	2347	30 1/2"	3287	36 7/8"	4296	43 1/4"	5350
5 1/8"	239	11 1/2"	790	17 7/8"	1515	24 1/4"	2364	30 5/8"	3306	37"	4316	43 3/8"	5371
5 1/4"	247	11 5/8"	803	18"	1531	24 3/8"	2382	30 3/4"	3325	37 1/8"	4336	43 1/2"	5392
5 3/8"	256	11 3/4"	815	18 1/8"	1546	24 1/2"	2400	30 7/8"	3345	37 1/4"	4357	43 5/8"	5413
5 1/2"	265	11 7/8"	828	18 1/4"	1562	24 5/8"	2417	31"	3364	37 3/8"	4377	43 3/4"	5434
5 5/8"	274	12"	841	18 3/8"	1578	24 3/4"	2435	31 1/8"	3383	37 1/2"	4397	43 7/8"	5455
5 3/4"	283	12 1/8"	854	18 1/2"	1594	24 7/8"	2453	31 1/4"	3402	37 5/8"	4418	44"	5476
5 7/8"	292	12 1/4"	867	18 5/8"	1609	25"	2471	31 3/8"	3422	37 3/4"	4438	44 1/8"	5497
6"	302	12 3/8"	880	18 3/4"	1625	25 1/8"	2489	31 1/2"	3441	37 7/8"	4459	44 1/4"	5518
6 1/8"	311	12 1/2"	893	18 7/8"	1641	25 1/4"	2506	31 5/8"	3461	38"	4479	44 3/8"	5539
6 1/4"	321	12 5/8"	906	19"	1657	25 3/8"	2524	31 3/4"	3480	38 1/8"	4500	44 1/2"	5560
6 3/8"	330	12 3/4"	919	19 1/8"	1673	25 1/2"	2542	31 7/8"	3499	38 1/4"	4520	44 5/8"	5581

*Registered T.M. – Owens-Corning Fiberglas Corporation

Model G-5 12,000 Gallon [redacted]ks/Tank Size and Capacity [redacted] Gallons

Calibrations for Level Tanks — Actual Capacity 11627 Gallons

Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons	Dipstick	Gallons
44¾"	5602	51⅝"	6757	58½"	7873	65⅜"	8922	72¼"	9874	79⅛"	10695	86"	11326
44⅞"	5623	51¾"	6778	58⅝"	7893	65½"	8940	72⅜"	9890	79¼"	10708	86⅛"	11335
45"	5644	51⅞"	6798	58¾"	7912	65⅝"	8958	72½"	9906	79⅜"	10721	86¼"	11344
45⅛"	5665	52"	6819	58⅞"	7932	65¾"	8976	72⅝"	9922	79½"	10734	86⅜"	11353
45¼"	5687	52⅛"	6840	59"	7952	65⅞"	8995	72¾"	9938	79⅝"	10747	86½"	11362
45⅜"	5708	52¼"	6860	59⅛"	7971	66"	9013	72⅞"	9954	79¾"	10761	86⅝"	11371
45½"	5729	52⅜"	6881	59¼"	7991	66⅛"	9031	73"	9970	79⅞"	10773	86¾"	11380
45⅝"	5750	52½"	6902	59⅜"	8011	66¼"	9049	73⅛"	9986	80"	10786	86⅞"	11389
45¾"	5771	52⅝"	6922	59½"	8030	66⅜"	9067	73¼"	10002	80⅛"	10799	87"	11397
45⅞"	5792	52¾"	6943	59⅝"	8050	66½"	9085	73⅜"	10018	80¼"	10812	87⅛"	11406
46"	5814	52⅞"	6964	59¾"	8069	66⅝"	9103	73½"	10034	80⅜"	10825	87¼"	11414
46⅛"	5835	53"	6984	59⅞"	8089	66¾"	9121	73⅝"	10049	80½"	10837	87⅜"	11422
46¼"	5856	53⅛"	7005	60"	8108	66⅞"	9139	73¾"	10065	80⅝"	10850	87½"	11431
46⅜"	5877	53¼"	7025	60⅛"	8128	67"	9157	73⅞"	10081	80¾"	10863	87⅝"	11439
46½"	5898	53⅜"	7046	60¼"	8147	67⅛"	9174	74"	10097	80⅞"	10875	87¾"	11447
46⅝"	5920	53½"	7066	60⅜"	8167	67¼"	9192	74⅛"	10112	81"	10888	87⅞"	11454
46¾"	5941	53⅝"	7087	60½"	8186	67⅜"	9210	74¼"	10128	81⅛"	10900	88"	11462
46⅞"	5962	53¾"	7107	60⅝"	8206	67½"	9228	74⅜"	10143	81¼"	10912	88⅛"	11470
47"	5983	53⅞"	7128	60¾"	8225	67⅝"	9245	74½"	10159	81⅜"	10924	88¼"	11477
47⅛"	6004	54"	7148	60⅞"	8244	67¾"	9263	74⅝"	10174	81½"	10937	88⅜"	11485
47¼"	6025	54⅛"	7169	61"	8264	67⅞"	9281	74¾"	10189	81⅝"	10949	88½"	11492
47⅜"	6046	54¼"	7189	61⅛"	8283	68"	9298	74⅞"	10205	81¾"	10961	88⅝"	11499
47½"	6067	54⅜"	7210	61¼"	8302	68⅛"	9316	75"	10220	81⅞"	10973	88¾"	11506
47⅝"	6088	54½"	7230	61⅜"	8321	68¼"	9333	75⅛"	10235	82"	10985	88⅞"	11513
47¾"	6109	54⅝"	7250	61½"	8340	68⅜"	9351	75¼"	10250	82⅛"	10996	89"	11520
47⅞"	6130	54¾"	7271	61⅝"	8360	68½"	9368	75⅜"	10265	82¼"	11008	89⅛"	11526
48"	6151	54⅞"	7291	61¾"	8379	68⅝"	9386	75½"	10280	82⅜"	11020	89¼"	11533
48⅛"	6172	55"	7311	61⅞"	8398	68¾"	9403	75⅝"	10295	82½"	11031	89⅜"	11539
48¼"	6193	55⅛"	7332	62"	8417	68⅞"	9420	75¾"	10310	82⅝"	11043	89½"	11545
48⅜"	6214	55¼"	7352	62⅛"	8436	69"	9438	75⅞"	10325	82¾"	11054	89⅝"	11551
48½"	6235	55⅜"	7372	62¼"	8455	69⅛"	9455	76"	10340	82⅞"	11066	89¾"	11557
48⅝"	6256	55½"	7392	62⅜"	8474	69¼"	9472	76⅛"	10355	83"	11077	89⅞"	11563
48¾"	6277	55⅝"	7413	62½"	8493	69⅜"	9489	76¼"	10370	83⅛"	11088	90"	11569
48⅞"	6298	55¾"	7433	62⅝"	8512	69½"	9507	76⅜"	10385	83¼"	11100	90⅛"	11574
49"	6319	55⅞"	7453	62¾"	8531	69⅝"	9524	76½"	10399	83⅜"	11111	90¼"	11579
49⅛"	6340	56"	7473	62⅞"	8550	69¾"	9541	76⅝"	10414	83½"	11122	90⅜"	11584
49¼"	6361	56⅛"	7493	63"	8569	69⅞"	9558	76¾"	10428	83⅝"	11133	90½"	11589
49⅜"	6382	56¼"	7514	63⅛"	8588	70"	9575	76⅞"	10443	83¾"	11144	90⅝"	11594
49½"	6403	56⅜"	7534	63¼"	8606	70⅛"	9592	77"	10457	83⅞"	11154	90¾"	11598
49⅝"	6424	56½"	7554	63⅜"	8625	70¼"	9609	77⅛"	10472	84"	11165	90⅞"	11602
49¾"	6445	56⅝"	7574	63½"	8644	70⅜"	9625	77¼"	10486	84⅛"	11176	91"	11606
49⅞"	6466	56¾"	7594	63⅝"	8663	70½"	9642	77⅜"	10501	84¼"	11186	91⅛"	11610
50"	6487	56⅞"	7614	63¾"	8681	70⅝"	9659	77½"	10515	84⅜"	11197	91¼"	11614
50⅛"	6507	57"	7634	63⅞"	8700	70¾"	9676	77⅝"	10529	84½"	11207	91⅜"	11617
50¼"	6528	57⅛"	7654	64"	8719	70⅞"	9693	77¾"	10543	84⅝"	11218	91½"	11620
50⅜"	6549	57¼"	7674	64⅛"	8737	71"	9709	77⅞"	10557	84¾"	11228	91⅝"	11623
50½"	6570	57⅜"	7694	64¼"	8756	71⅛"	9726	78"	10572	84⅞"	11238	91¾"	11625
50⅝"	6591	57½"	7714	64⅜"	8774	71¼"	9742	78⅛"	10586	85"	11248	91⅞"	11626
50¾"	6612	57⅝"	7734	64½"	8793	71⅜"	9759	78¼"	10600	85⅛"	11258	92"	11627
50⅞"	6632	57¾"	7754	64⅝"	8811	71½"	9775	78⅜"	10613	85¼"	11268		
51"	6653	57⅞"	7774	64¾"	8830	71⅝"	9792	78½"	10627	85⅜"	11278		
51⅛"	6674	58"	7794	64⅞"	8848	71¾"	9808	78⅝"	10641	85½"	11288		
51¼"	6695	58⅛"	7813	65"	8867	71⅞"	9825	78¾"	10655	85⅝"	11297		
51⅜"	6716	58¼"	7833	65⅛"	8885	72"	9841	78⅞"	10668	85¾"	11307		
51½"	6736	58⅜"	7853	65¼"	8903	72⅛"	9857	79"	10681	85⅞"	11316		

TANK TESTING INTERNATIONAL, INC.

2528 ABBEYWOOD COURT • SIMI VALLEY, CA 93063-2548

CALIFORNIA
805-584-9045
805-583-1544

UNDERGROUND STORAGE TANK INTEGRITY RESULTS

THE "EZY-CHEK" LEAK DETECTION SYSTEM WAS USED IN THE TESTING. THE SYSTEM IS CAPABLE OF DETECTING A LEAK RATE OF .05 GALLONS PER HOUR, BUT THIS IS NOT TO BE CONSTRUED AS A PERMISSIBLE LEAK RATE, BUT AS THE ACCURACY TOLERANCE OF THE SYSTEM. TTI ASSUMES NO LIABILITY FOR ANY PRODUCT LEAKAGE. FINAL RESULTS ARE IN GALLONS PER HOUR.

COMPANY:	FLIGHT INTERNATIONAL
LOCATION:	CARLSBAD, CALIFORNIA
PHONE:	N/A
DATE:	12-18-87
TANK #:	1
CAPACITY:	12,000
PRODUCT:	AV-GAS TESTED WITH WATER
TYPE OF SYSTEM:	SUCTION
STAGE ONE VAPOR RECOVERY?:	YES
STAGE 11 TYPE:	NO
TANK DIAMETER:	84"
FILLPIPE LENGTH:	12"
HEIGHT OF LEVEL ABOVE GRADE:	27"
DEPTH OF GROUND WATER:	+10 FEET
PRESSURE ON TANK BOTTOM:	4.4
DATE AND TIME OF FILL:	12-16-87 P.M.
COEFFICIENT:	0.00009102
TIME TEST STARTED:	1453
TIME TEST ENDED:	2341
HIGH TEST RESULTS:	-0.22898
LOW TEST RESULTS:	+0.01091
LINE TEST RESULTS:	N/A

COMMENTS: TANK SYSTEM NOT WITHIN NFPA 329 CRITERIA. FAILED SYSTEMS TEST. LOW LEVEL TEST INCONCLUSIVE. HIGH LEVEL INDICATES LEAK IN SYSTEM.

RECOMMEND: EXPOSE TANK TOP AND ISOLATE TO TEST TANK ALONE.

E Z Y - C H E K
W O R K S H E E T

96 A.G.: 27
12 WATER:
84 WATER TABLE:

: 1 TEST LEVEL: HIGH PRODUCT: WATER CAPACITY: 12,000 CHART CAL. 0.05 / 33.5 = 0.001492 (A)

EB GRAVITY: 35.8 PRODUCT TEMP.: 68 DEG COEFFICIENT: 0.00009102 TEMP. CAL. 0.00009102 x 12000 = 1.09224 (B)

ST #	LEVEL START		LEVEL END		GAIN + LOSS -		x(A)		LEVEL RESULT		TEMP. START		TEMP. END		GAIN + LOSS -		x(B)		TEMP. RESULT		FINAL RESULT		TIME
									58.														
	77	-	26.5	=	-50.5	x	0.001492	=	-0.07537		0.794	-	0.803	=	0.009	x	1.09224	=	0.009830		=-0.09483		2145
	RESET																						2147
	87	-	47.5	=	-39.5	x	0.001492	=	-0.05895		0.801	-	0.806	=	0.005	x	1.09224	=	0.005461		=-0.07261		2202
	RESET																						2205
	85	-	52	=	-33	x	0.001492	=	-0.04925		0.807	-	0.810	=	0.003	x	1.09224	=	0.003276		= 0.05937		2220
	RESET																						2221
	85	-	54	=	-31	x	0.001492	=	-0.04626		0.811	-	0.811	=	0	x	1.09224	=	0		= -0.0527		2236
	RESET																						2237
	95	-	71	=	-24	x	0.001492	=	-0.03582		0.812	-	0.820	=	0.008	x	1.09224	=	0.008737		=-0.05123		2254
	RESET																						2255
	90	-	65	=	-25	x	0.001492	=	-0.03731		0.820	-	0.825	=	0.005	x	1.09224	=	0.005461		=-0.04796		2310
	65	-	31	=	-34	x	0.001492	=	-0.05074		0.825	-	0.932	=	0.107	x	1.09224	=	0.116869		=-0.06544		2325
	RESET																						2326
	91.5	-	57	=	-34.5	x	0.001492	=	-0.05149		0.832	-	0.838	=	0.006	x	1.09224	=	0.006553		=-0.06435		2341

LEAK RATE AVERAGE G.P.H.: -0.22898

ALIBRATION:

68	-	41	=	27
60	-	30.5	=	29.5
51	-	18	=	33

AVERAGE: 29.8

FINAL CALIBRATION:

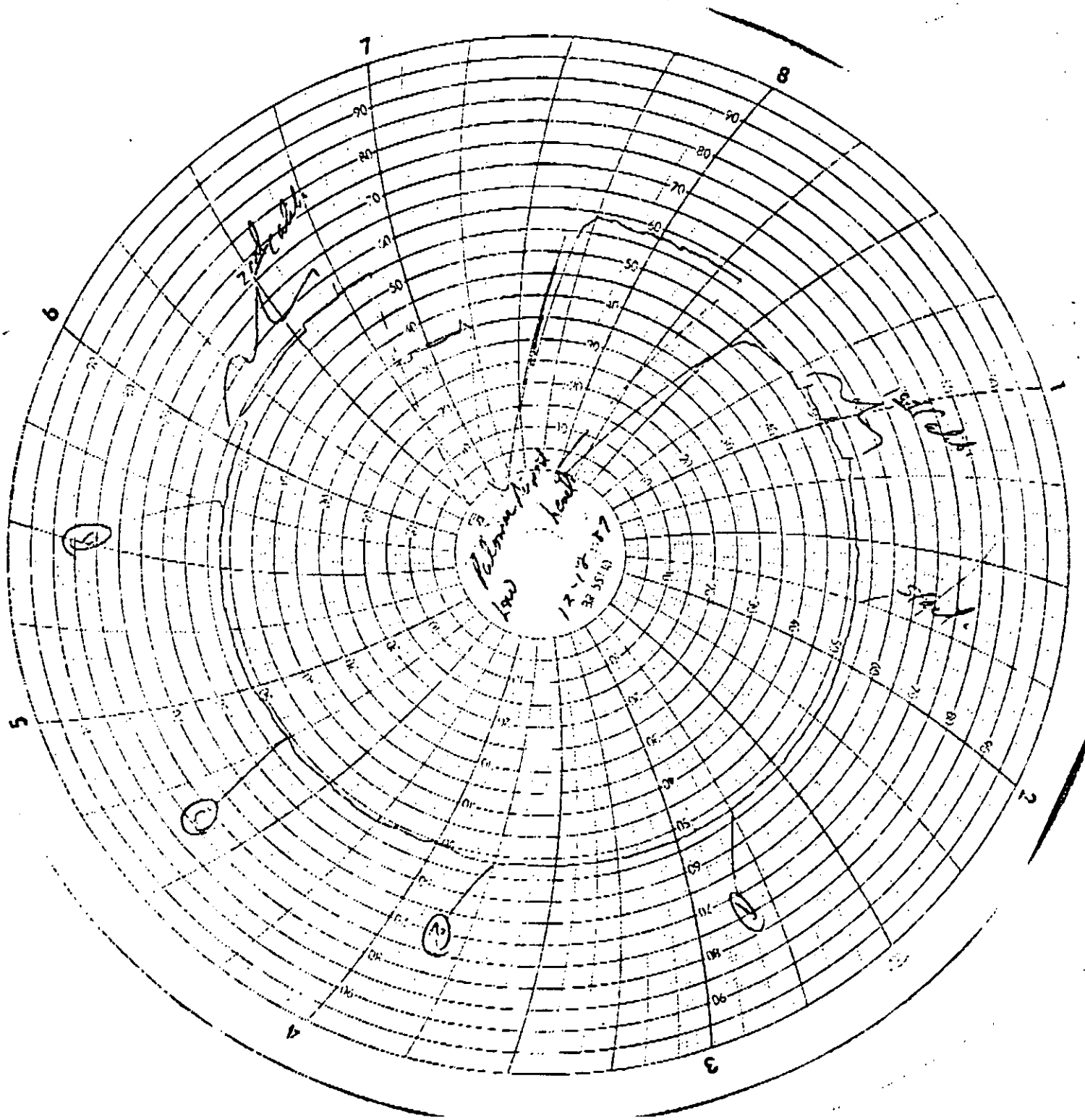
82	-	49	=	33
82	-	48.5	=	33.5
81	-	47	=	34

AVERAGE: 33.5

LOCATION: PALOMAR AIRPORT
PALOMAR ROAD
ATE: CARLSBAD,CA

CERTIFIED TIGHT: NO
LEAK PER HOUR:-0.22898
OPERATOR: FERNANDO VALENZUELA

XEROX TELECOPIER 295 ; 1-12-88; 3:13 PM; 805 584 [redacted] 213 → 2137801781 ; # 3
01. 12. 88 03:19 PM *MBE SIMI VALLEY P03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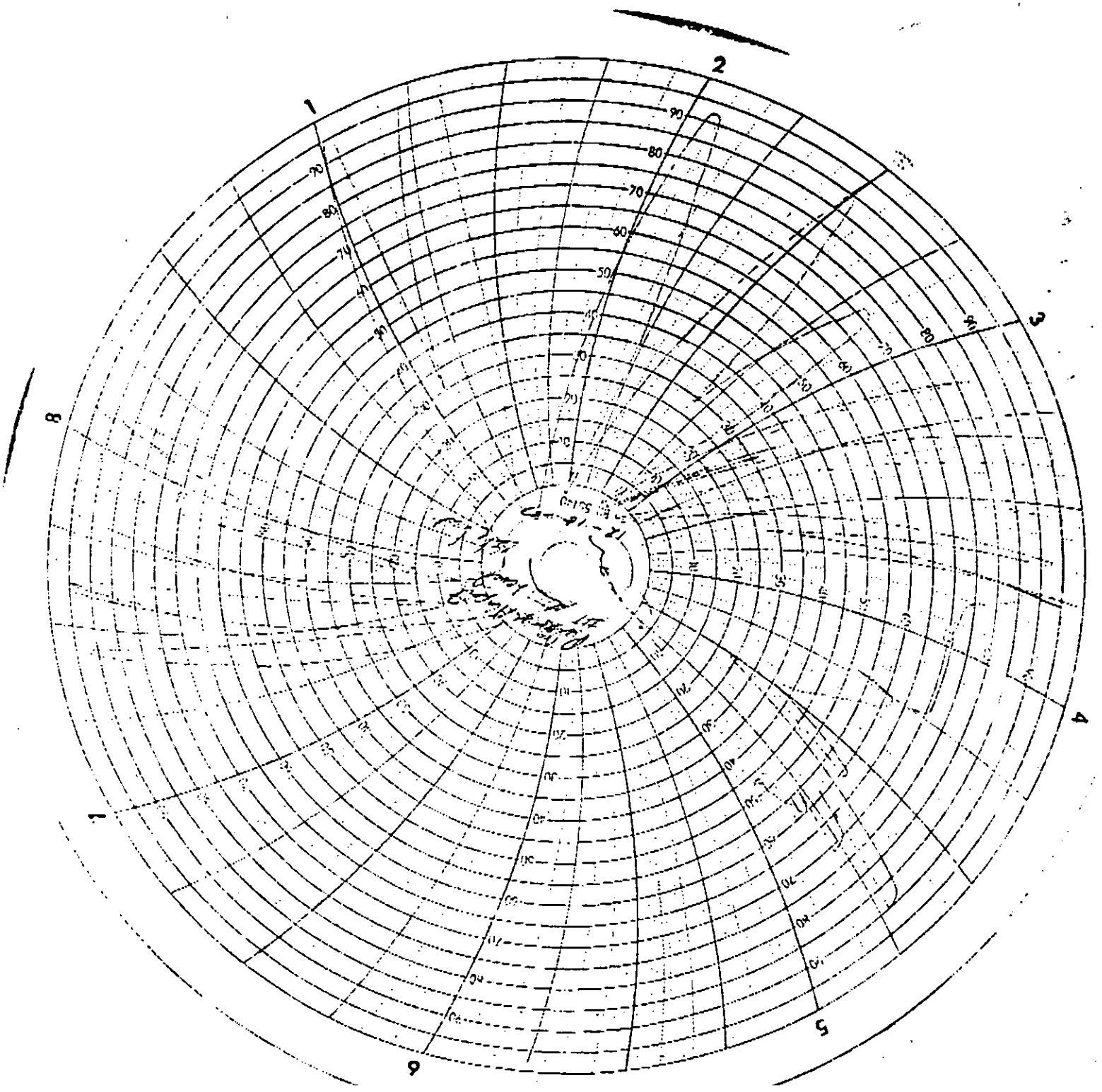
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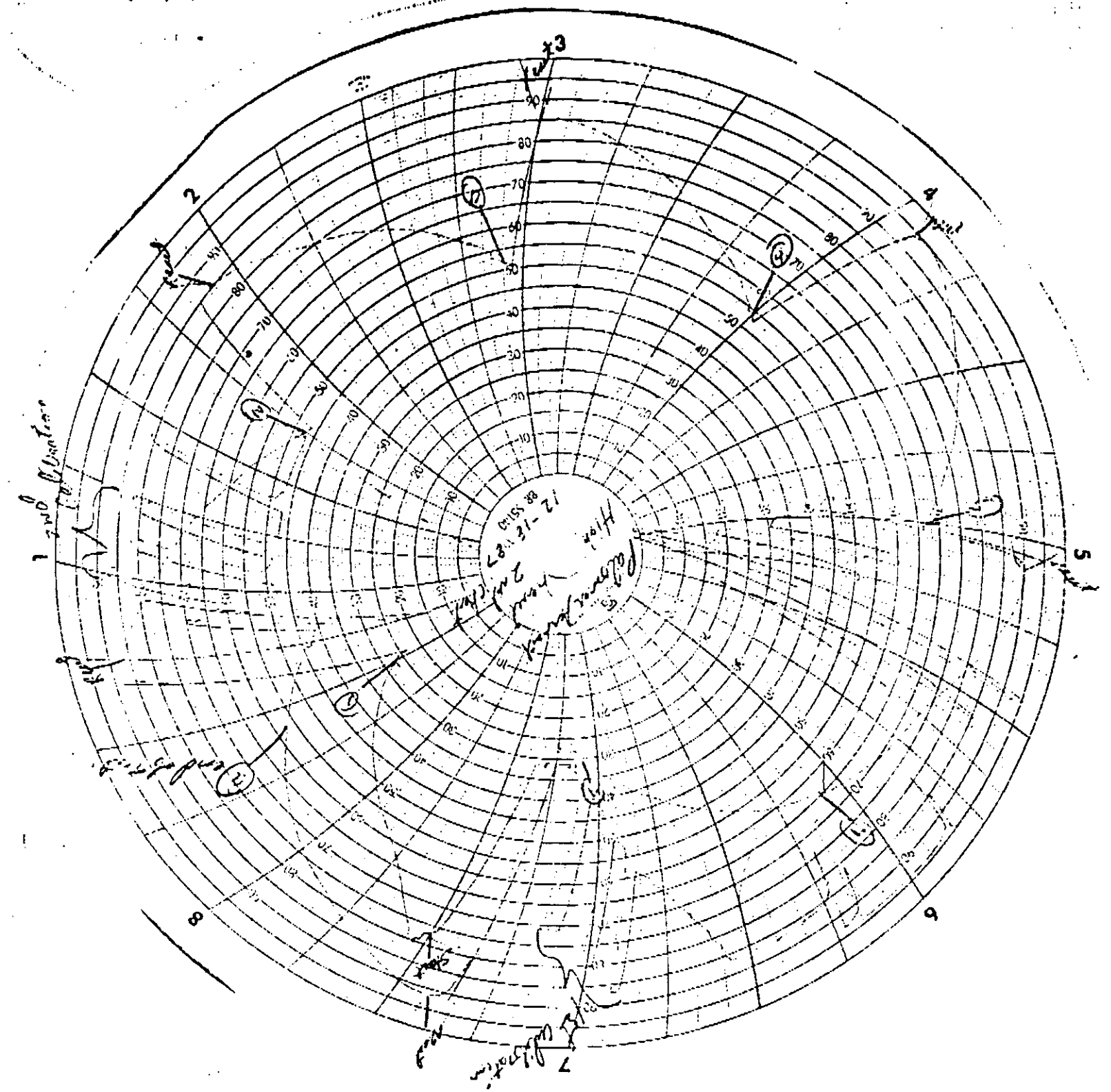
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Flight International

OWENS/CORNING FIBERGLAS

"HMMU"

OWENS-CORNING FIBERGLAS CORPORATION 5933 TELEGRAPH ROAD, LOS ANGELES, CALIFORNIA 90040
PHONE: (213) 724-5383

FEB 3 5 02 PM '88

February 1, 1988

Mr. Mike Vernetti
Hazardous Materials Specialist
Environmental Health Services Department
Hazardous Materials Management Division
County of San Diego
P. O. Box 85261
San Diego, CA 92138-5261

Dear Mike:

Mike, I have received your letter of January 12, 1988 regarding illegal repairs to Owens-Corning Fiberglas underground storage tanks. As I perceive the situation, I feel the primary problem is the fact that no one (Owens-Corning, contractor, or tank owner) took the time to pull tank entry permits, as per your regulations.

Mike, I can assure you that this was not done in a conscious manner to deceive your department. It is very common under a field repair scenario that time is of the essence. The fact of the matter is someone should have alerted your department prior to Owens-Corning doing any sort of work on the tank. Whether the person responsible to contact you is Owens-Corning, or the installation contractor, or the tank owner will need to be addressed in future field service situations by Owens-Corning.

I have circulated a copy of your letter and passed along your comments with regards to the severity of this situation; further, I have requested our field service department to contact myself in the earliest stages possible of any potential field repair work to be done in the County of San Diego. It is my intention at that point to contact your department to alert you of the pending potential tank repair.

Mike, I sincerely apologize for any problems that this situation has created. I assure you that all of us at Owens-Corning will give our very best effort to make sure that this does not happen again. Should you have any further questions or comments regarding this or any other matter pertaining to Fiberglas tanks, please feel free to give me a call. Thank you for your patience and understanding in this matter.

Sincerely,

Jack Bergman

Jack S. Bergman
Sales Representative
Underground Storage Tanks

cc: R. T. Lawrence - OCF/Los Angeles
J. M. Lohan - OCF/Los Angeles
S. C. Macy - OCF/T-10
L. Weekly - OCF/T-10

LOS ANGELES BRANCH OFFICE
A:02018865.JSB

Quotations in this letter are not intended as offers. All orders and contracts are taken subject to acceptance by the corporation at Toledo, Ohio

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO — HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☐ NO

STATE TANK ID #:

REPORT DATE: 04/20/88

LOCAL CASE #:

REGIONAL BOARD CASE #:

US EPA ID #:

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Michael Varga

PHONE: (619) 442-6610

SIGNATURE: Michael Varga

REPRESENTING ☐ LOCAL AGENCY ☒ OTHER ☐ OWNER/OPERATOR ☐ REGIONAL BOARD

COMPANY OR AGENCY NAME: IT Corporation

ADDRESS: 1452 STREET Johnson Ave CITY El Cajon STATE CA ZIP 92020

RESPONSIBLE PARTY

NAME: Dan Burkhart ☐ UNKNOWN — FLIGHT INTERNATIONAL

CONTACT PERSON: DAN BURKHART

PHONE: (619) 438-6800

ADDRESS: 2210 STREET PALOMAR AIRPORT RD CITY CARLSBAD STATE CA ZIP 92008

SITE LOCATION

FACILITY NAME (IF APPLICABLE):

OPERATOR:

PHONE: ( )

ADDRESS: STREET CITY COUNTY ZIP

CROSS STREET:

TYPE OF AREA ☐ COMMERCIAL ☐ INDUSTRIAL ☐ RESIDENTIAL ☐ RURAL ☐ OTHER

TYPE OF BUSINESS ☐ RETAIL FUEL STATION ☐ UNKNOWN ☐ OTHER

IMPLEMENTING AGENCIES

	AGENCY NAME	CONTACT PERSON	PHONE
LOCAL AGENCY			( )
REGIONAL BOARD			( )
TSCD			( )

SUBSTANCE(S) INVOLVED

	CAS # (ATTACH EXTRA SHEET IF NEEDED)	NAME	QUANTITY LOST (GALLONS)
(1)		Aviation Gasoline	☒ UNKNOWN
(2)			☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: M M D D Y Y

HOW DISCOVERED ☒ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ ROUTINE MONITORING ☐ TANK REMOVAL ☐ NUISANCE CONDITIONS ☐ OTHER:

DATE DISCHARGE BEGAN: M M D D Y Y ☒ UNKNOWN

HAS DISCHARGE BEEN STOPPED? ☐ YES ☐ NO IF YES, DATE: M M D D Y Y

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☒ REMOVE CONTENTS ☐ REPLACE TANK ☐ CLOSE TANK ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURES ☐ OTHER

SOURCE/CAUSE

SOURCE(S) OF DISCHARGE ☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER (SPECIFY)

TANKS ONLY/CAPACITY GAL

AGE YRS. ☐ UNKNOWN

MATERIAL ☐ STEEL ☑ FIBERGLASS ☐ OTHER

CAUSE(S) ☐ OVERFILL ☐ CORROSION ☐ RUPTURE/FAILURE ☐ SPILL ☑ UNKNOWN ☐ OTHER

RESOURCES AFFECTED/AT RISK

RESOURCES AFFECTED	YES	NO	THREATENED	UNKNOWN
AIR (VAPOR)	☐	☑	☐	☐
SOIL (VADOSE ZONE)	☐	☑	☐	☐
GROUNDWATER	☐	☑	☐	☐
SURFACE WATER OR STORM DRAIN	☐	☑	☐	☐
BUILDING OR UTILITY VAULT	☐	☑	☐	☐
OTHER (SPECIFY) OLD LANDFILL	☑	☐	☐	☐

GROUNDWATER BASIN NAME ☐ UNKNOWN

WATER SUPPLIES AFFECTED	YES	NO	THREATENED	UNKNOWN	# OF WELLS
PUBLIC DRINKING WATER	☐	☑	☐	☐	
PRIVATE DRINKING WATER	☐	☑	☐	☐	
INDUSTRIAL	☐	☑	☐	☐	
AGRICULTURAL	☐	☑	☐	☐	
OTHER (SPECIFY)	☐	☐	☐	☐	

COMMENTS

COMMENTS:

COMPLETE AND ATTACH A CLEANUP TRACKING REPORT IF ANY CLEANUP WORK OR PLANNING HAS STARTED

H3C 05 (10/88)

FLIGHT INTERNATIONAL
2210 Palomar Airport Road • Carlsbad, California 92008 • (619)438-6800

26 January 1988

Mr. Mike Vernetti
Environmental Health Services
Hazardous Materials Management Division
P.O. Box 85261
San Diego, California 92138-5261

Dear Mike,

Just a note to thank you for your time today when I called and to say that it was a pleasure speaking with you.

As I mentioned, Flight International has retained International Technology Corporation as consultants to help us determine what problems we may have with our aviation fuel tank, to file the necessary reports, and to recommend and supervise necessary repairs. To date, they have bored holes around our fuel farm, made a physical inspection of the tank's interior, and performed a hydrostatic test. They have also discussed with us the sequence of events concerning this purported fuel loss. No reports have been filed.

Please understand that it is my intention to have International Technology file all appropriate documentation as soon as possible. In the interest of time and money, I certainly would like to use what information we have. Therefore, I feel I must give International Technology a little more time.

Mike, we are working diligently to solve this problem. If you have any ideas or questions, please give me a call. I will be in touch.

Sincerely,

Dan Burkhart

OWENS-CORNING FIBERGLAS CORPORATION FIBERGLAS TOWER, TOLEDO, OHIO 43659, (419) 248-8000

January 15, 1988

UST Repair (AVGAS) Tank

Mr. Dan Burkhart
Flight International
2210 Palomar Airport Rd.
Carlsbad, CA

Dear Mr. Burkhart:

Per your request, following is a report of the repair performed at 2210 Palomar Airport Road on December 31, 1987.

A dipstick hole was found under the fill fitting. This hole was 1-1/2" in diameter round hole. The hole was repaired and a 12" x 12" deflector plate was installed over the damaged area for future protection. These repairs were performed in accordance with the guidelines and materials established for the original UL approved design and manufacture.

Two other deflector plates already existed in this tank under other fittings. Neither of these fittings were being used for the fill.

Your request for a predicted fuel loss rate through the damaged area cannot be done. Loss rates are relative to the cross-sectional area of the opening and the pressure applied to the opening. Without removing the damaged area and determining the actual opening size (so as to not include obstructions; i.e. fractured glass, etc.) it would not be possible to define a potential loss rate.

Owens-Corning Fiberglas certifies that factory authorized repairs were made to the 12M gallon tank at your site. You may be assured the tank retains the warranty provided with the purchase of the tank.

If you have any further questions, please do not hesitate to call me at 419-248-8197.

Sincerely,

Linda A. Weekley
Field Service Scheduler

LAW/ch

cc: M. Varga, International Technology

S. C. Macy - OCF/Toledo
M. D. Skibinski - OCF/Toledo

H2O

12-12-87 — 34 3/4" = 3953
12-13-87 — 34 1/4" = 3873 } 119 LOSS
12-14-87 — 34" = 3834

12-4-87 — 54" 7148
53" 6984 164 LOSS

12-5-87 0700 48" 6151 833 LOSS
0900 46" 5814 337 LOSS
1100 43 1/4" 5350 464 LOSS
1300 42" 5141 209 LOSS
1500 40 3/4" 4933 208 LOSS

12-5-87 AVGAS TRUCKS TOPPED (2215 missing) (2215) PLUS 1933
DODGE JET "A" TRUCK
EMPTIED AND REFILLED.
WITH 3000 GALS OF 100LL.
1382 LOSS

12-6-87 2 3/4" 94 4839
1 1/2" 38 56 GLS
1/2" 7 31 GLS
7141

From 1500 12/5/87 TO 0700 12/6/87 3000 GALS
ACCOUNTED FOR IN DODGE JET TRUCK LEAVING
1839 GALS UNACCOUNTED FOR.

100 LL REC'D 12/3/87 — 4990 GL

100 LL REC'D 12/4/87 — 4000 GL

8990 GL

12-3-87 — INT DIP — 5 1/4" = 247 GL

COM DIP — 47" = 5983 GL

12-2-87 — ISSUED	456 GL	
12-3-87 — ISSUED	371 GL.	827
12-4-87 — ISSUED	285 GL	112
12-5-87 — ISSUED	5233 GL	6345

5156
4000
9156

7634
5983
1651

5983
247
5736
4000
8736
7634
1102

5983
827
5156

5245
371
5074

5057
4000
9057

			Fuel Received	Inches in Tank = Per Daily Fuel inventory	GAL IN TANK		Issue Truck To A/C	Dodge Jet Truck	Ford AV gas	Dodge AV gas
1										
11	19			12.5	893					
11	20		8966		9867		596			
	21				9265		634			
	22			66	9013	8631	777			
	23			60	8108	7854	257			
	24			60	8108	7597	965			
	25			50	6487	6632	1030			
	26			46	5814	5602	7027			
	27			41	4974	4941	661			
	28			36 1/4	4194	4496	445			
	29			28	2909	4271	255			
	30			13	946	3829	442			
	1			22 1/2	2121	3809	20			
	2			8	462	3343	466			
	3	Received Fuel = 4990 on Ticket	4990	*47	5983	7867	368			
	4	Rec fuel = 4000	4000	**57	7634	11582	285			
	5			2 1/2	82		820	3000	2233	
	6						119			
	7						328			
	8						552			
	9						368			
	10						512			
	11	Ran out of GAS					102			
	12									
	13						10704			

280

7734
5233
2501

* 47" on ticket 57" on Daily fuel inventory ** DAILY F.I. = 48

Data Sheet for Tank System Tightness Test

petro tite
TANK TESTER

PLEASE PRINT

9/9/87

1. OWNER Property ☐ Tank(s) ☐

Flight International — Carl Butterworth — 438-6800
Name — Address — Representative — Telephone

2210 Palomar Airport Rd, Carlsbad, Ca
Name — Address — Representative — Telephone

2. OPERATOR

Same
Name — Address — Telephone

3. REASON FOR TEST (Explain Fully)

Permit to operate (Annual Test)

4. WHO REQUESTED TEST AND WHEN

Carl Butterworth
Name — Title — Company or Affiliation — Date

Address — Telephone

5. WHO IS PAYING FOR THIS TEST?

Flight International — Carl Butterworth
Company, Agency or Individual — Person Authorizing — Title — Telephone

Billing Address — City — State — Zip

Attention of: — Order No. — Other Instructions

6. TANK(S) INVOLVED

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
North #1	20,000	Owens Corning	Jet Fuel	6 yr.	Fiberglass
Center #2	20,000	" "	Jet Fuel	6 yr.	"
South #3	12,000	" "	Avgas	6 yr.	"

7. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
Southwest corner of property	Asphalt + Concrete	4"	#1 - 3" #2 3" #3 2"	No	Suction
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titefill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

8. UNDERGROUND WATER

Depth to the Water table Below tank bottoms" — Is the water over the tank? ☐ Yes ☒ No

9. FILL-UP ARRANGEMENTS

Tanks to be filled 8-19 hr. 8 A.M. Date — Arranged by Carl Butterworth
Name — Telephone

Extra product to "top off" and run TSTT. How and who to provide? Consider NO Lead.

Terminal or other contact for notice or inquiry
Company — Name — Telephone

10. CONTRACTOR, MECHANICS, any other contractor involved

Lube Equipment + Pump Service Co.
Breck Wilber + Barry Sandborn

11. OTHER INFORMATION OR REMARKS

All underground plumbing included in tests

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test etc.

12. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for petro tite TANK TESTER as detailed on attached test charts with results as follows:

Tank Identification	Tight	Leakage Indicated	Date Tested
#1 Jet Fuel	-.034		8-27-87
#2 Jet Fuel	-.040		8-20-87
#3 Avgas	-.005		8-21-87

13. CERTIFICATION

This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Asociation Pamphlet 329.

8-19-87
Date

Breck Wilber
Barry Sandborn
Technicians

Lube Equipment — Breck Wilber
Testing Contractor or Company. By: Signature

1795 Logan Ave. San Diego, Ca. 92113
Address

12:35 - 12:37
Serial No. of Thermal Sensor

Petro Tite TANK TESTER

100 TOSCA DRIVE
P.O. BOX CS-200
STOUGHTON, MA 02072-1591
(617) 344-1400

14. Flight Inter[redacted]nal — Carlsba[redacted] — 8-27-87
Name of Supplier, Owner or Dealer — Address No. and Street(s) — City — State — Date of Test

15. TANK TO TEST
North #1 — Identity by position
Jet Fuel — Name and Grade

16. CAPACITY
Nominal Capacity 20,000 Gallons — By most accurate capacity chart available 19,807 Gallons
Is there doubt as to True Capacity? ☐
See Section "DETERMINING TANK CAPACITY"
From:
☐ Station Chart
☒ Tank Manufacturer's Chart
☐ Company Engineering Data
☐ Charts supplied with Petro Tite Test Kit
☐ Other

17. FILL-UP FOR TEST
Stick Water Bottoms before Fill-up: 0 in 16 ths. — 0 Gallons
Fill up STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY
Tank Diameter 119 1/2"

	Stick Readings to 16 ths.	Gallons	Total Gallons on Reading
Inventory	119 1/2		19,807
Water			0
Top off		23	23
Product in fill tank (up to fill pipe)			19830

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK
See manual sections applicable. Check below and record procedure in log (28).
☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with LVLLT

Sample A.P.I. 42.0
Temp 74°
Corrected A.P.I. 40.8

VAPOR RECOVERY SYSTEM
☐ Stage I
☐ Stage II

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to Grade* ..... 155"
Add 30" for 4" L ..... 30"
Add 26" for 3" L or air eval ..... "
Total tubing to assemble Approximate ..... 185"

20. EXTENSION HOSE SETTING
Tank top to grade* ..... 33"
Extend hose on suction tube 6" or more below tank top ..... 10"
*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (e) TO TEST THIS TANK
Is Today Warmer? ( ) Colder? ( ) ___°F Product in Tank ___°F Fill-up Product on Truck ___°F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 17,300 digits — 75-76 °F Nearest
23. Digits per °F in range of expected change 319 digits
24. 19,830 total quantity in full tank (16 or 17) × .00048460 coefficient of expansion for involved product = 9.609618 volume change in this tank per °F gallons
25. 9.609618 volume change per °F (24) ÷ 319 Digits per °F in test Range (23) = .0301241 Volume change per digit. Compute to 4 decimal places. This is test factor (e)

28. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS AS RECORD TO .001 GAL			34. TEMPERATURE COMPENSATION USE FACTOR (e)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Graduate: Before Reading	32. Product in Graduate: After Reading	Product Replaced (−) Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (e)	37. Compensation (e) + (e) = Expansion + Contraction −	Temperature Adjustment: Volume Among Expansion (+) or Contraction (−) = #38(1) − #37(1)	At High Level record Total Net Deflection. At Low Level compute Change per Hour (EPH) column
8:00	Tank top exposed. Repaired leaky fill pipe. Set up equipment and topped off tank											
9:00	Pump running, level at 42"											
9:30	Check sensor calibration and take A.P.I. sample											
											Foster A	.0301
11:00	High level test	1		42				17300				
11:15		2	41.6	42	.605	.560	−.045	17313	+13	+.391	−.436	
11:30		3	41.8	42	.560	.540	−.020	17328	+10	+.301	−.321	
11:45		4	42.3	42	.540	.575	+.035	17329	+6	+.181	−.146	
12:00		5	42.3	42	.575	.610	+.035	17335	+6	+.181	−.146	
12:15		6	42.3	42	.610	.640	+.030	17342	+7	+.211	−.181	
12:30		7	42.3	42	.640	.665	+.025	17349	+7	+.211	−.196	
12:45		8	42.4	42	.665	.730	+.065	17356	+7	+.211	−.146	
1:00		9	42.6	42	.730	.805	+.075	17364	+8	+.241	−.166	
1:15		10	42.7	42	.805	.885	+.080	17371	+7	+.211	−.131	
1:30		11	42.8	42	.560	.650	+.090	17379	+8	+.241	−.151	
1:45		12	42.0	42	.650	.755	+.105	17385	+6	+.181	−.076	
2:00	Low level test	1		12				17394				
2:15		2	13.5	12	.200	.365	+.165	17398	+5	+.151	+.014	+.014
2:30		3	13.4	12	.365	.520	+.155	17405	+6	+.181	−.026	−.012
2:45		4	13.3	12	.120	.275	+.155	17410	+5	+.151	+.004	−.008
3:00		5	13.3	12	.275	.430	+.155	17416	+6	+.181	−.026	−.034

14. Flight International [redacted] Carlsbad [redacted] 8-20-87
Name of Supplier, Owner or Dealer — Address No. and Street(s) — City — State — Date of Test

15. TANK TO TEST
Center Tank (Identify by Number)
Jet Fuel #2 (Name and Grade)

16. CAPACITY
Nominal Capacity 20,000 Gallons
By most accurate capacity chart available 19,807 Gallons
Is there doubt as to True Capacity? ☐
See Section "DETERMINING TANK CAPACITY"

From
☒ Station Chart
☒ Tank Manufacturer's Chart
☐ Company Engineering Data
☐ Charts supplied with Petro Tite (Use Only)
☐ Other

17. FILL-UP FOR TEST
Stick Water Bottom before Fill-up 0 to ½ in. — 0 Gallons

FILL-UP STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter 119½

	Stick Readings to ½ in.	Gallons	Total Gallons vs. Reading
Inventory	119½		19,807
Water	0	0	0
Top off	15	15	15
Product in full tank (up to fill pipe)			19,822

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK
See manual sections applicable. Check below and record procedure in log (28).
☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with LVLLT

API sample 41.8
Temp. 77°
A.P.I. Corrected 40.4

VAPOR RECOVERY SYSTEM
☐ Stage I
☐ Stage II

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to Grade* ..... 155 "
Add 36" for 4" L ..... 30 "
Add 24" for 3" L or air cell ..... " "
Total tubing to assemble Approximate ..... 185 "

20. EXTENSION HOSE SETTING
Tank top to grade* ..... 33 "
Extend hose on position tube 6" or more below tank top ..... 10 "
*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK
Is Today Warmer? ( ) Colder? ( ) ___°F Product in Tank ___°F Fill-up Product on Truck ___°F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 16010 (Digits) 71-72 (Nearest) °F

23. Digits per °F in range of expected change 325 (Digits)

24. 19,822 (total quantity in full tank (10 or 17)) × .0004828 (coefficient of expansion for involved product) = 9.5700616 (volume change in this tank per °F) gallons

25. 9.5700616 (volume change per °F (24)) ÷ 325 (Digits per °F in test Range (23)) = .0294463 (Volume change per digit. Compute to 4 decimal places.) This is test factor (a)

28. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (To RECORD TO 001 GAL.)			34. TEMPERATURE COMPENSATION (SEE FACTOR (a))			38. KEY VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Stovepipe Level in Inches: Beginning of Reading	Stovepipe Level in Inches: Level to which Restored	32. Product in Stovepipe: Before Reading	32. Product in Stovepipe: After Reading	Product Restored (−) Product Recovered (+)	35. Thermal Sensor Reading	36. Change (Higher + Lower −) (a)	37. Compensation (c) = (a) − Expansion + Contraction −	Temperature Adjustment: Volume Minus Expansion (+) or Contraction (−) (c39(Y)) − c37(T)	At High Level record Total Gal. Delivered; At Low Level compute Change per Hour (MPH interval)
10:30		1		42				16000			Factor A	.0294
10:45		2	41.9	42	.800	.790	−.010	16010	+10	+.294	−.394	
11:00		3	42.1	42	.790	.795	+.005	16022	+12	+.353	−.348	
11:15		4	42.6	42	.165	.235	+.070	16036	+14	+.412	−.342	
11:30		5	43.0	42	.235	.350	+.115	16045	+9	+.265	−.150	
11:45		6	43.3	42	.350	.505	+.155	16055	+10	+.294	−.139	
12:00		7	43.3	42	.505	.655	+.150	16065	+10	+.294	−.144	
12:15		8	43.3	42	.655	.805	+.150	16074	+9	+.265	−.115	
12:30		9	43.5	42	.805	.986	+.175	16082	+8	+.235	−.060	
12:45		10	43.5	42	.230	.405	+.175	16092	+10	+.294	−.119	
1:00		11	43.5	42	.405	.570	+.165	16103	+11	+.323	−.158	
1:15		12	43.5	42	.570	.745	+.175	16112	+9	+.265	−.090	
1:30		1		12				16121				
1:45		2	14.1	12	.105	.340	+.235	16131	+10	+.294	−.059	
2:00		3	14.1	12	.340	.580	+.240	16139	+8	+.235	+.005	+.005
2:15		4	14.1	12	.080	.325	+.245	16148	+9	+.265	−.020	−.015
2:30		5	14.1	12	.325	.560	+.235	16157	+9	+.265	−.030	−.045
2:45		6	14.1	12	.140	.380	+.240	16165	+8	+.235	+.005	−.040

Petro Tite TANK TESTER
HEATH CONSULTANTS
100 TOSCA DRIVE
P.O. BOX CB-200
STOUGHTON, MA. 02072-1581
(617) 344-1400

14. Flight Intern[redacted]cal — Carlsbad — [redacted] — 8-21-87
(Name of Supplier, Owner or Dealer) (Address No. and Street(s)) (City) (State) (Date of Test)

Petro Tite TANK TESTER

15. TANK TO TEST
South Tank #3 (Identify by pr station)
Avgas (Name and Grade)

16. CAPACITY
Nominal Capacity 12,000 Gallons
*By most accurate capacity chart available 11,627 Gallons
Is there doubt as to True Capacity? ☐
See Section "DETERMINING TANK CAPACITY"
From:
☒ Station Chart
☒ Tank Manufacturer's Chart
☐ Company Engineering Data
☐ Charts supplied with Petro Tite (Date Filed)
☐ Other

17. FILL-UP FOR TEST
Stick Water Bottom Before Fill-up 0 to ½ in. — 0 Gallons
Fill up STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY
Tank Diameter 92"

	Stick Readings to ½ in.	Gallons	Total Gallons on Reading
Inventory	92"		11,627
Water			0
Tap off			20
Product in full tank (up to fill pipe)			11,647

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK
See manual sections applicable. Check below and record procedure in log (28).
☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with LVLLT
Observed Specific Gravity – 70.7
Observed Temperature – 79°
Corrected API – 68.0

VAPOR RECOVERY SYSTEM
☒ Stage I
☒ Stage II Balance

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to Grade* ..... 125½"
Add 36" for 4" L ..... 20"
Add 24" for 3" L or air vent ..... "
Total tubing to assemble, Approximate ..... 155"

20. EXTENSION HOSE SETTING
Tank top to grade* ..... 34"
Extend hose on suction tube 6" or more below tank top ..... 10"
*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK
Is Today Warmer? ☐ Colder? ☐ ___°F Product in Tank ___°F Fill-up Product on Truck ___°F Expected Change (+ or –)

22. Thermal-Sensor reading after circulation 18530 (signs) 79-80 (nearest) °F
23. Digits per °F in range of expected change 318 (signs)
24. 11,647 (total quantity in full tank (18 or 17)) × .000667100 (coefficient of expansion for involved product) = 7.815137 (volume change in this tank per °F) gallons
25. 7.815137 (volume change per °F (24)) ÷ 318 (Digits per °F in test Range (23)) = .0245759 (Volume change per digit. Compute to 4 decimal places.) This is test factor (a)

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (If RECORD TO .001 GAL			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Level to which Returned	32. Product in Stickwell: Before Reading	After Reading	Product Removed (–) Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower – (c)	37. Compensation (c) × (a) = Expansion + Contraction –	Temperature Adjustment: Volume Minus Expansion (+) or Contraction (–) #33(Y) – #32(T)	In High Level record Total End Deflection; In Low Level record Change per Hour (Diff. between)
9:30	Pump primed and circulating above	42"										
11:00	First Sensor Reading	1		42				18549			factor A	.0246
11:15		2	41.0	42	.875	.815	-.060	559	+10	+.246	-.306	
11:30		3	41.0	42	.815	.755	-.060	569	+10	+.246	-.306	
11:45		4	42.4	42	.755	.790	+.035	575	+6	+.148	-.183	
12:00		5	42.6	42	.790	.835	+.045	581	+6	+.148	-.103	
12:15		6	42.9	42	.620	.690	+.070	588	+7	+.172	-.102	
12:30		7	42.8	42	.690	.755	+.065	593	+5	+.123	-.058	
12:45		8	43.2	42	.755	.845	+.090	602	+9	+.221	-.131	
1:00	First Sensor Reading	1		12				18606				
1:15		2	14.1	12	.375	.445	+.170	614	+8	+.197	-.027	-.027
1:30		3	14.0	12	.245	.400	+.155	621	+7	+.172	-.017	-.044
1:45		4	13.8	12	.400	.545	+.145	626	+5	+.123	+.022	-.022
2:00		5	13.8	12	.255	.395	+.140	631	+5	+.123	+.017	-.005

HALL CONSULTANTS
100 TOSCA DRIVE
P.O. BOX C9-200
STOUGHTON, MA 02072-1581
(617) 344-1420

FLIGHT INTERNATIONAL.

"HMMU"

AUG 4 10 34 AM '89

2 August 1989

Mr. Darryl Fowler
Environmental Health Services
Hazardous Material Management Division
P.O. Box 85261
San Diego, Ca 92138-5261

Ref: Alleged unauthorized release of #T0855/H13987
2210 Palomar Airport Rd, Carlsbad, CA 92008

Dear Mr. Fowler:

Flight International continues to seek resolution of the alleged unauthorized leak referenced above. For the past twenty (20) months, we believe that we have complied with all the requirements and requests set forth by your department. In May of this year, we submitted a report written by Fred C. Hart Associates, Inc. dated 25 April 1989. To date, we have not received any feed back. Please note that our company is of the opinion stated in the last paragraph of page 15 of that report.

We wish to resolve this issue as soon as possible. Should you not contact us within thirty (30) days of the date of this letter, we will consider the subject resolved.

Sincerely,

Dan W. Burkhart

Dan W. Burkhart
Director of Operations - Carlsbad

DWB:nno

2210 Palomar Airport Road • Carlsbad, California 92008 • (619) 438-6800 • Telex 697990 • Fax (619) 931-0987

FLIGHT INTERNATIONAL
2210 Palomar Airport Road • Carlsbad, California 92008 • (619)438-6800

01 May 1989

Mr. Darryl Fowler
Environmental Health Services
Hazardous Material Management Division
P.O. Box 85261
San Diego, CA 92138-5261

Ref: (Project No. 00457-00/00001-02)

Dear Mr. Fowler:

Enclosed, please find the Soil Boring Investigation Report, written by Fred C. Hart Associates, Inc. dated April 25, 1989.

If you have any questions, please feel free to contact me at (619) 438-6800.

Sincerely,

Dan W. Burkhart
Director of Operations - Carlsbad

DWB:nnn

Enclosure

HART

Received
5/4/89

SOIL BORING INVESTIGATION REPORT
FLIGHT INTERNATIONAL, PALOMAR AIRPORT, CARLSBAD, CALIFORNIA

Prepared
for:

Flight International
2210 Palomar Airport Road
Carlsbad, California 92008

Prepared
by:

Fred C. Hart Associates, Inc.
2041 Business Center Drive, Suite 110
Irvine, California 92715

April 25, 1989

(Project No. 00451-00/00001-02)

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Appendix D Chain-of-Custody
Appendix E Laboratory Analytical Data

SECTION 1.0
INTRODUCTION

Flight International is a fixed base operator at Palomar Airport in Carlsbad, California (Figure 1) and provides training, maintenance, tie down, and charter services for the private aviation industry. Flight International owns and operates a fuel farm for refueling services that consists of three fiberglass underground storage tanks (UST) and three dispensing units. Two USTs have a capacity of 20,000 gallons and contain jet fuel; one UST has a capacity of 12,000 gallons and contains aviation gasoline (AvGas). The fuel farm is located adjacent to a closed Rank 5 landfill scheduled for a Solid Waste Assessment Test (SWAT) to be completed by 1992 to assess if the landfill has impacted waters of the state (Alpert, 1988).

1.1 Background

During the period between December 4 - 7, 1987, the UST inventory records indicated that a possible sudden loss of AvGas had occurred. IT Corporation advanced four shallow soil borings to depths of approximately 20 feet[1] around the fuel farm at locations indicated on Figure 2. The investigation involved only visual inspection of soil samples and no soil contamination was noted (Carey, 1988).

As a result of the suspected loss of fuel, the AvGas tank was emptied on December 9 - 10, 1988. IT visually inspected the tank and reported that the interior surface of the tank was intact with no visible holes. IT performed a petro-tite precision tank test on December 12, 1987 and reported that the tank was tight, but that associated piping connecting the tank to the dispensing unit may have had a small leak. The tank was subsequently inspected by

[1] All depths reported in this document are referenced below ground surface.

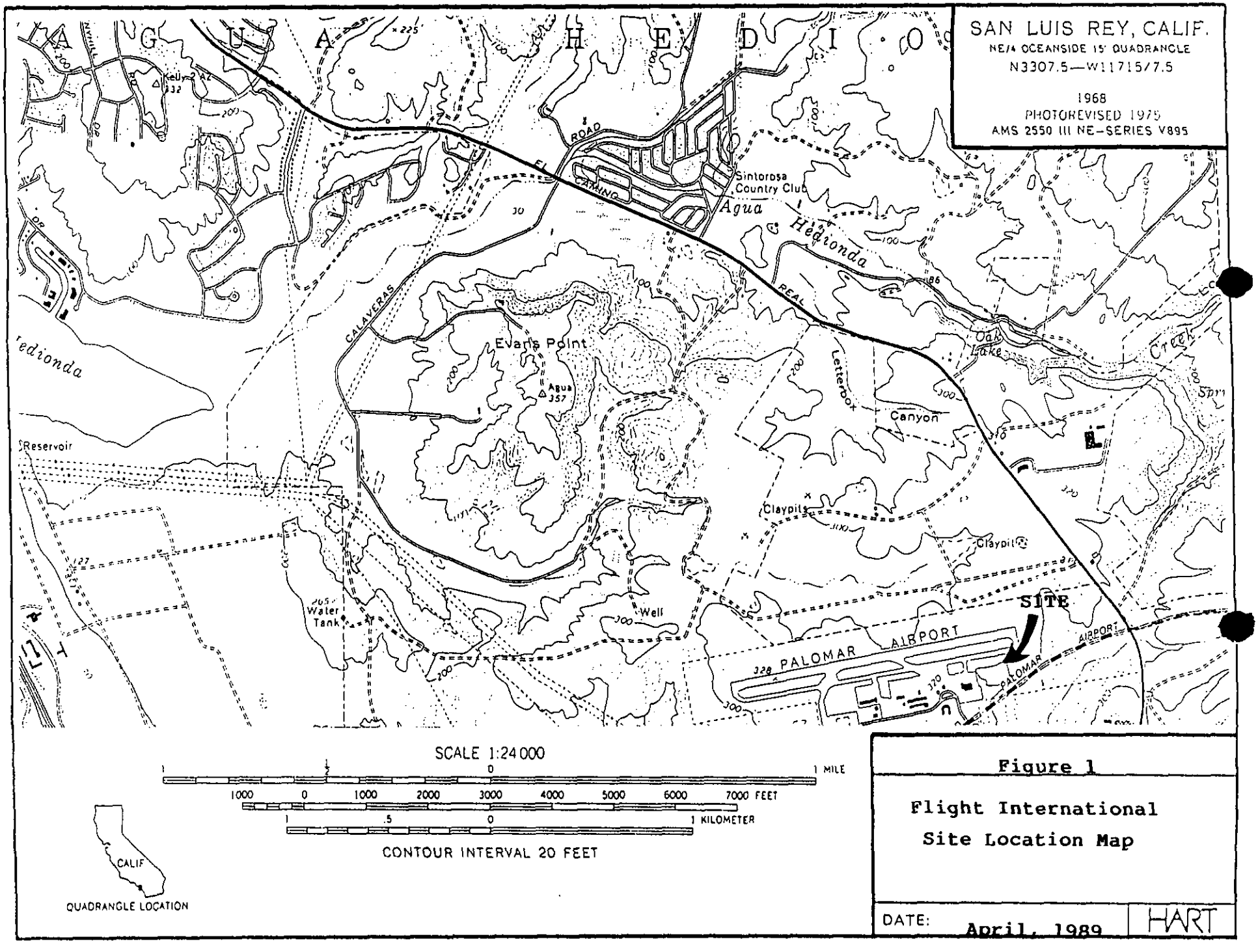


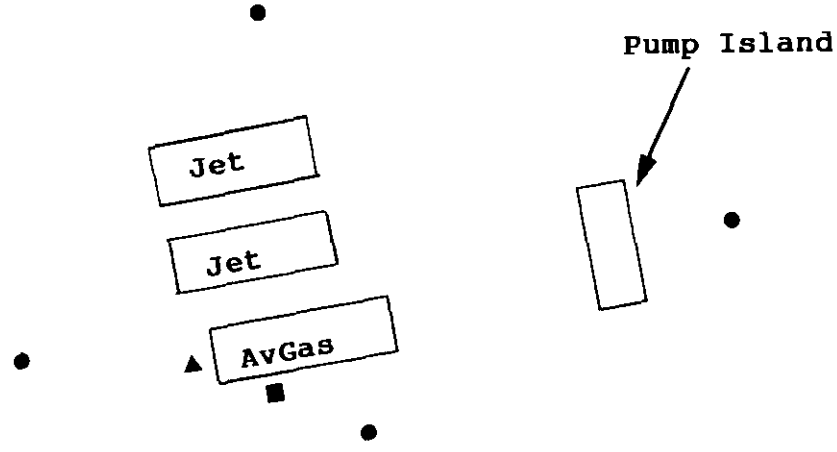
Figure 1

Flight International
Site Location Map

DATE: April, 1989

HART

Base Map from Applied Hydrogeologic Consultants, 1988



N

Approximate Scale 1" = 20'

Tank Locations Are Approximate

Explanation

- ● Boreholes Advanced by IT Corporation
- ■ Borehole Advanced by Applied Hydrogeologic Consultants
- ▲ Borehole Advanced by Fred C. Hart Associates, Inc.

Figure 2

Borehole Location Map
Flight International
Palomar Airport

DATE: April, 1989

HART

Owens-Corning Fiberglass Corporation of Toledo, Ohio on December 31, 1987 and a 1 1/2-inch diameter hole in the bottom of the tank was discovered and repaired.

On February 19, 1988, Applied Hydrogeologic Consultants of San Diego, California advanced a soil boring south of the fill port to the AvGas UST (see Figure 2). Odors were noticed from drill cuttings beginning at a depth of 25 feet. A soil sample was collected at 30 feet and every 5 feet thereafter to a total depth of 70 feet. Drill cuttings and soil samples were screened in the field using a photoionization detector (PID). The PID detected the presence of volatile organic contaminants in the drill cuttings that ranged in concentration from 10,000+ ppm at a depth of 30 feet to 1,500 ppm at a depth of 70 feet. Three soil samples collected at depths of 30 feet, 35 feet, and 70 feet were analyzed by a laboratory for total petroleum hydrocarbons. The representative data reported by Applied Hydrogeologic Consultants is listed in Table 1.

Fred C. Hart Associates, Inc. (HART) was retained by Flight International to review previous consultants' efforts and investigate the vertical and lateral extent of soil contamination identified at the site. HART reviewed all documentation provided to Flight International from IT, Applied Hydrogeologic Consultants, and Owens-Corning Fiberglass and used this information to develop and implement a field investigation workplan.

1.2 Objective

The objective of the field investigation was to confirm the presence or absence of soil contamination adjacent to the AvGas UST at Flight International. Information obtained from this investigation, coupled with information provided by previous consultants' efforts, was used to assess the vertical and lateral extent of soil contamination around the fuel farm and assess if contamination is a threat to waters of the state.

1.3 Scope of Work

The scope of work for this field investigation included a geophysical

TABLE 1

Summary of Data from
Applied Hydrogeologic Consultants
February, 1988

Sample Depth (Feet Below Ground Surface)	Total Petroleum Hydrocarbons (ppm)[1]	PID (ppm)
30	22,000	10,000+
35	4,600	10,000+
70	ND <5[2]	1,500

1 ppm parts per million

2 ND not detected, detection limit

reconnaissance to assess the dimensions of the AvGas UST and other underground appurtenances in the vicinity of the fuel farm. Soil samples collected from a single boring advanced approximately 3 feet west of the AvGas tank were used to assess the vertical extent of contaminated soil. Soil samples were collected near the surface (below the asphalt cover) and at 5-foot intervals beginning at a depth of 5 feet to total depth of 70 feet. Each soil sample was submitted to a state-certified laboratory for analysis. Information provided from previous consultants was used to assess the lateral extent of contaminated soil.

A Site Health and Safety Plan was prepared for the site and appears in Appendix A. A permit to advance a soil boring was filed with the County of San Diego and appears in Appendix B. The scope of work for this assessment was performed in accordance with the HMMD sampling and analysis requirements dated October 17, 1988.

SECTION 2.0
FIELD INVESTIGATION

2.1 Geophysical Reconnaissance

A geophysical reconnaissance of the fuel farm was performed by Southwest U.L.S. (Southwest) of La Jolla, California on March 22, 1988. A 22 KHZ transmitting probe was attached to the end of 1/2-inch diameter flush-threaded PVC tubing and placed through the AvGas UST fill port to locate the western end of the tank. The flexible nature of the tubing allowed the probe to bend toward the western end of the tank. Consecutive 10-foot joints of tubing were added until Southwest was convinced that the probe had reached the western end of the tank.

A Radio Detection hand-held GPR-404 signal receiver was passed over the ground west of the fill port. The western end of the tank was identified by an increase in signal intensity when the receiver was directly above the transmitting probe. The end of the tank was marked on the surface with spray paint. An additional reconnaissance using electromagnetics was performed around the fuel farm to assess the presence of piping or other buried structures near the west end of the tank. No additional structures were identified.

Underground Service Alert was contacted on March 22, 1989 to identify the location of buried utilities that may traverse in the vicinity of the western end of the AvGas UST. No buried utilities were reported to be present.

2.2 Soil Sampling

2.2.1 Methodology

Drilling activities commenced on March 27, 1989. A soil boring designated BS-5 was advanced approximately 3 feet west of the end of the AvGas UST as marked during the geophysical reconnaissance (see Figure 2). Beylik Drilling,

Inc. of La Habra, California provided drilling services using a CME 750 auger drill mounted on an all-terrain carrier. The drill was equipped with 6-inch outside diameter continuous flight hollow stem auger in 5-foot lengths. A center pilot assembly with bit was placed inside the hollow stem during drilling. A sheet of plywood resting on visqueen plastic was placed over the location of the borehole. The borehole was drilled through the plywood and visqueen. The plywood was used to facilitate the shoveling of drill cuttings away from the borehole and the visqueen was used to keep the area clean.

Undisturbed soil samples were collected near the surface (just below the asphalt cover) and at 5-foot intervals beginning at a depth of 5 feet to total depth of 70 feet. Soil samples were collected with a 1 1/2-inch inside diameter by 18-inch length split spoon sampler lined with three thin-walled, 6-inch length brass tubes. When a designated sample depth was reached, the center pilot assembly was removed and the sampler with liners was attached to small diameter rod and lowered through the hollow stem to undisturbed soil at the bottom of the borehole. The sampler was advanced with the percussion action of a 140-pound above-ground hammer free falling 30 inches. The number of blows required to advance the sampler each 6 inches was recorded on the borehole log that appears in Appendix C.

After the sampler was advanced 18 inches, the sampler was retrieved and brass liners containing soil were removed. The brass tube positioned closest to the cutting shoe of the sampler for each sampling run (considered the least disturbed soil) was screened in the field using a PID and was submitted for laboratory analysis. The sample identification number, sampling interval, and the PID readings detected from each sample appear in Table 2. Soil in the remaining brass tubes was removed from each sampling run and used to characterize the subsurface geology by a HART geologist. Ambient air in worker airspace was periodically monitored.

Soil samples to be submitted for laboratory analysis were packaged by sealing both ends of each sample tube with aluminum foil and securing with plastic caps and duct tape. An adhesive label was affixed to each sample tube indicating the sample number, project name, date and time of sampling, and name

TABLE 2

Summary of Soil Sample Intervals and PID Readings

Sample Identification	Sample Depth Analyzed	PID (ppm)[1]
BS-5-1-1	2.5 to 3.0	0
BS-5-2-1	5.0 to 5.5	20
BS-5-3-1	10.0 to 10.5	5
BS-5-4-1	15.0 to 15.5	40
BS-5-5-1	20.0 to 20.5	20
BS-5-6-1	25.0 to 25.5	200
BS-5-7-1	30.0 to 30.5	150
BS-5-8-1	35.0 to 35.5	150
BS-5-9-1	40.0 to 40.5	10
BS-5-10-1	45.0 to 45.5	0
BS-5-11-1	50.0 to 50.5	0
BS-5-12-1	55.0 to 55.5	0
BS-5-13-1	60.0 to 60.5	0
BS-5-14-1	65.0 to 65.5	0
BS-5-15-1	70.0 to 70.5	0

[1] parts per million

of the company and individual collecting the sample. Sample tubes were placed in zip-lock plastic bags and stored in a cooler with ice awaiting transportation to a laboratory. A chain-of-custody form accompanied all samples and is included in Appendix D. All personnel that handled soil samples wore clean latex gloves.

Drill cuttings and soil samples not submitted for laboratory analysis were containerized in 55-gallon drums and left at the site. The borehole was abandoned by removing the augers and pumping a cement/bentonite slurry through a flexible hose placed on the bottom of the borehole. Asphalt patch was used to cap the borehole.

2.2.2 Results

Mechanical problems with the drill prevented drilling past the depth of 24 feet on March 27, 1989. The augers were left in the borehole overnight while the drill was being repaired. Drilling commenced again and was completed on March 28, 1989.

The asphalt cover at the site was approximately 4 inches thick. A pea gravel consisting of 1/4-inch diameter material was present as a fill material below the asphalt. Trash debris was encountered at a depth of 4 feet and consisted of glass, wood, cardboard, cloth rags, plastics, and paper products and was approximately 1 foot in thickness.

CH_4 A strong landfill odor was noticed from drill cuttings removed from a depth of 5 feet. PID readings fluctuated from 10 parts per million (ppm) to 200 ppm for these cuttings. Due to the windy conditions and work practices, ambient air quality in worker airspace was not effected by these cuttings and respiratory protection for workers was not required. Based on the number of blows required to advance the sampler as well as the character of the material encountered, the upper 10 feet of the borehole was assumed to have penetrated fill material used during the tank installation. Native soil was believed to be present from a depth of 10 feet to total depth of 70 feet. Ground water was never encountered.

2.3 Decontamination



A decontamination pad was constructed at the site away from the borehole by excavating a trench approximately 3 feet wide by 7 feet long by 2 feet deep. The trench was lined with visqueen plastic. Auger flight and associated tooling were decontaminated in the trench by rinsing with high pressure hot water prior to use and before leaving the site.

Soil sampling equipment, including the split spoon sampler and brass tubes, was decontaminated in clean 5-gallon buckets prior to and between each use by the following protocol:

- Wash with potable water, Alconox detergent, and stiff brush.
- Double rinse with distilled water.
- Air dry.

All decontaminate rinsate was containerized in 55-gallon drums and left on site. Decontaminate rinsate was removed from the trench with a hand pump and shovel and containerized in 55-gallon drums and left on site. The visqueen plastic was removed from the trench and placed in a 55-gallon drum.

SECTION 3.0
SUMMARY OF ANALYTICAL DATA

The sample tube positioned closest to the cutting shoe from each sampling event was submitted to Del Mar Analytical of Irvine, California, a state-certified laboratory, for analysis. Each sample was analyzed by the following methods modified to meet the specifications of the California LUFT Manual:

- o EPA Method 5030/8015 Total Fuel Hydrocarbons
- o EPA Method 8020 Benzene, Toluene, Xylene(s), Ethylbenzene

The sample that indicated the highest concentration of hydrocarbons was subsequently analyzed by the following method:

- o EPA Method 7421 Organic Lead

The results of the analytical data are summarized in Table 3. The data indicate the presence of petroleum hydrocarbons from the depths of 5 feet to 55 feet. The maximum concentration of 560 ppm was detected in the sample collected at 30 feet. Petroleum hydrocarbons were not detected in samples collected from the depths of 55 feet to 70 feet.

The concentrations of benzene, toluene, xylene(s), and ethylbenzene varied from 0.05 ppm to 170 ppm. The maximum concentrations of these chemical species were detected in the sample collected at 30 feet.

The sample collected at 30 feet detected the highest concentration of total hydrocarbons and was subjected to additional analysis for organic lead. Organic lead was not detected in the sample.

Analytical data as reported by the laboratory appear in Appendix E.

TABLE 3

Summary of Analytical Data
(reported in parts per million)

HART

mg/kg

Sample Depth[1]	Benzene	Toluene	Ethyl-benzene	Xylene(s)	Total Hydrocarbons	Organic Lead
3	ND[2]	ND	ND	ND	ND	
5	ND	0.07	ND	ND	7.9	
10	ND	ND	ND	ND	2.3	
15	ND	0.54	ND	ND	6.4	
20	0.06	0.31	0.05	0.05	20	
25	0.25	30	1.8	1.7	150	
30	9.3	170	3.2	2.6	560	ND
35	1.8	14	2.7	1.9	380	
40	0.55	9.6	0.28	0.34	97	
45	ND	0.23	ND	ND	11	
50	0.06	0.24	ND	ND	17	
55	ND	0.30	ND	ND	2.3	
60	ND	ND	ND	ND	ND	
65	ND	ND	ND	ND	ND	
70	ND	ND	ND	ND	ND	
Detection Limit	0.05	0.05	0.05	0.05	1.0	0.5

1 Sample depth reported in feet below ground surface.
2 ND Not detected above detection limit.

SECTION 4.0
DISCUSSION AND RECOMMENDATIONS

IT Corporation advanced four shallow borings around the fuel farm in December, 1987 (see Figure 2). Each boring was drilled to approximately 20 feet and was screened in the field using visual observations. Although screening with visual observations is not a quantitative method of analysis, the presence of soil contaminated with petroleum hydrocarbons can be readily assessed using this technique, which was the objective of the IT investigation. As reported by IT, the presence of contaminated soil from an unauthorized release of sizeable magnitude at the Flight International fuel farm would likely have been detected in one of the four shallow borings. IT reported that no soil contamination was evident in any of the four shallow borings.

An additional soil boring located south of the AvGas UST fill port was drilled by Applied Hydrogeologic Consultants in February, 1988. A PID was used to detect hydrocarbon vapors emitted from drill cuttings and soil samples. The report from Applied Hydrogeologic Consultants documents the presence of organic vapors from PID readings from a depth of 30 feet to a depth of 70 feet. However, only three soil samples were submitted for analysis (see Table 1) and a vertical profile of where soil contamination begins and ends could not be assessed. The discrepancy between the PID reading of 1500 ppm from soil collected at a depth of 70 feet and the absence of petroleum hydrocarbons in this sample as analyzed by the laboratory is a reflection of the inadequacy of using PID readings as a quantitative method for assessing soil contamination. Instrument error or the detection of other sources of hydrocarbons (e.g., jet/aircraft exhaust, drill rig exhaust, etc.) may have caused these anomalous readings. Furthermore, soil samples collected by Applied Hydrogeologic Consultants were not analyzed to HMMD specifications.

The results of the investigation performed by HART indicates that soil west of the AvGas tank is contaminated with petroleum hydrocarbons with a maximum concentration of 560 ppm at a depth of 30 feet. Contamination of benzene, toluene, xylene(s), and ethylbenzene is present to a lesser degree. The

contamination is present in a vertical profile from the depths of 5 to 55 feet. The borehole was drilled to 70 feet and ground water was never encountered.

The results of the field investigations performed by IT Corporation, Applied Hydrogeologic Consultants, and HART suggest that subsurface contamination is limited in lateral extent and is present only in the vicinity of the AvGas UST. Ground water in the vicinity of Palomar Airport is reported by the Regional Water Quality Control Board to be of non-beneficial use (Fowler, 1988) and is apparently deeper than 70 feet as assessed from this investigation. At least 15 feet of soil separates the lower extent of hydrocarbon contamination (2.3 ppm) from the water table.

The surface of the fuel farm and surrounding tarmac at Flight International is covered with asphalt that is approximately 4 inches thick. The results of investigations performed at Flight International suggest that ground water has not been impacted from soil contamination. The asphalt cover should prevent the infiltration of meteoric waters and subsequent leaching of contamination to the water table. No additional assessment activities are recommended at this site. Because the soil contamination does not appear to be a threat to waters of the state, and due to the proximity of the fuel farm to an abandoned landfill scheduled for a SWAT, remediation of the minor amounts of contaminated soil at the fuel farm does not appear to be warranted.

Respectfully submitted,

M. Fred Strauss

M. Fred Strauss
Hydrogeologist,
Project Manager

REGISTERED PROFESSIONAL GEOLOGIST
MICHAEL P. DONOVAN
4112
STATE OF CALIFORNIA

Michael P. Donovan, R.G.
Manager of Geosciences

SECTION 5.0
REFERENCES

Alpert, M. 1989. Personal telephone conversation from San Diego Regional Water Quality Control Board with Fred C. Hart Associates, Inc.

Applied Hydrogeologic Consultants. 1988. Flight International Exploratory Boring Report, 5 p.

Carey, R.E. 1988. Correspondence from IT Corporation, El Cajon, California to Flight International.

Fowler, D. 1988. Correspondence from County of San Diego Department of Health Services to Flight International.

APPENDIX A

HEALTH AND SAFETY PLAN

FRED C. HART ASSOCIATES, INC.
HEALTH AND SAFETY PLAN FOR

FIELD INVESTIGATIONS OF GASOLINE, FUEL OIL, MOTOR OIL LEAKS OR SPILLS

Project and Task Code: 00457-00-00001-02

Project Name: Flight International

Project Manager: Fred Strauss

Site Safety Officer: Steve Fundingsland / Annette Duffey

Site Location: Palomar Airport, Carlsbad, CA

Site History: Potentially leaky underground
Aviation gasoline / Jet fuel tanks

Material(s) Spilled: Drill one soil borings adjacent to aviation
gasoline tanks and collect soil samples each 5 feet

Field Activities:

EMERGENCY TELEPHONE NUMBERS

Project Manager: 714 - 476-8536

Corporate Health and Safety Director: Larry Kaufman 609 - 663-0440

Fire Dept.: 911

Ambulance: 911

Hospital: 619 - 753-1245

Police: 911

HOSPITAL NAME, ADDRESS, & ROUTE

Name: San Luis Rey Hospital

1015 Devonshire Drive, Encinitas, CA

Address:

Route: Palomar Airport Road (west) to San Diego Freeway (south)

to Santa Fe Drive (west) to Devonshire (north)

AUTHORIZED FIELD PERSONNEL

NAME OF SUBCONTRACTORS (Field Work)

Name: Beylik Drilling Telephone No. 714 - 870-5360

Address: 591 South Walnut St., La Habra, CA

Authorized Representative: Darrell Tweidt

Name: Telephone No.

Address:

Authorized Representative:

Site Safety Officer

Corporate Health & Safety Officer

Date 3-21-89

Date

SIGNATURE AND ACKNOWLEDGMENT

Hart Environmental Management Corp. (HART) does not guarantee the health or safety of any person entering this site. Due to the hazardous nature of this site and the activity occurring thereon, it is not possible to discover, evaluate, and provide protection for all possible hazards which may be encountered. Strict adherance to the health and safety guideline set forth herein, will reduce, but not eliminate, the potential for injury at this site. The health and safety guidelines in this plan were prepared specifically for this site.

All persons working at or visiting the designated exclusion zone(s) at the site must acknowledge by signing below that the contents of this Plan have been discussed with them. Each person agrees that he/she has read and understands the Plan and agrees to comply with it.

	Name	Signature	Training Certificate	Fit Test Record
1.			1-1-89	
2.				
3.			8-6-88	
4.			1-1-89	
5.			6-1-89	
6.				
7.				
8.				
9.				
10.				

(JL38/030289)

telecopier 7020 : 3-21-89 : 10:30 : HART ENVIRONMENTAL IRVINE, CA. 03/20/89 13:59 714 752 0720 # 2 004

HEALTH AND SAFETY PROCEDURES FOR FIELD INVESTIGATIONS OF GASOLINE, FUEL OIL, OR MOTOR OIL LEAKS OR SPILLS

PURPOSE

This plan provides minimum procedure to be used by HART personnel to protect against the hazardous properties of gasoline, fuel oils, and motor oil during the performance of field investigations of known and suspected underground releases of such materials. The procedure was developed to enable health and safety personnel and project managers to quickly prepare and issue site safety plans for investigations of such releases.

Whenever this general procedure is used, the site-specific safety plan must be completed and attached; together, the completed form and this operating procedure shall comprise a site safety plan. Safety procedures for drilling, trenching, and other construction operations should be attached. Rules governing approval, distribution, acknowledgment of receipt or standard site safety plans are applicable whenever this procedure is used.

APPLICABILITY

This procedure is applicable to field investigations of underground releases of the substances listed below and involving one or more of the activities listed below.

Substances

- Leaded & unleaded gasoline
- Gasohol
- No. 1 Fuel Oil (kerosene, JP-1)
- No. 1-D Fuel Oil (light diesel)
- No. 2 Fuel Oil (home heating oil)
- No. 2-D Fuel Oil (medium diesel)
- No. 4 Fuel Oil (residual fuel oil)
- No. 5 Fuel Oil (residual fuel oil)
- No. 6 Fuel Oil (Bunker C fuel oil)
- Jet fuels (JP-3, 4, & 5)
- Motor Oil (used and unused)

Site

- Collection of samples of subsurface soil with aid of truck-mounted drill rig, hand-held power auger, or hand auger.
- Construction, completion, and testing of groundwater monitoring wells.
- Collection of groundwater samples from new and existing wells.
- Observing removal of underground fuel pipes and storage tanks.

This procedure must not be used for confined space entry (including trench entry) or for installing or operating pilot and full-scale fuel recovery systems. HART's confined space protocol shall be used in conjunction with this Plan if continued space entries are considered.

No safety plan is needed for non-intrusive geophysical surveys, reconnaissance surveys, and collection of surface soil, surface water, and biota.

RESPONSIBILITY AND AUTHORITY

The Corporate Health and Safety Director (CHSD), the Project Manager (PM), and the Site Safety Officer (SSO) are the personnel responsible for all project safety.

The CHSD is responsible for reviewing and approving site safety plans and any addenda and for advising both PM and SSO on health and safety matters. The CHSD has the authority to audit compliance with the provisions of site safety plans, suspend work or modify work practices for safety reasons, and to dismiss from the site any individual whose conduct on site endangers the health and safety of others.

The PM is responsible for having site safety plans prepared and distributing them to all HART field personnel and to an authorized representative of each firm contracted to assist with on-site work. The PM is also responsible for ensuring that the provisions of safety plans and their addenda are carried out. This includes ensuring that all HART field personnel have met HART's medical examination requirements and received adequate training, an adequate supply of safety equipment is available, and the required safety reports are submitted to the CHSD. The authority of the PM in matters of safety is the same as that of CHSD.

The SSO is responsible for assisting the PM with on site implementation of site safety plans. Responsibilities include: 1) maintaining safety equipment supplies, 2) performing or supervising air quality measurements, 3) directing decontamination operations and emergency response operation, 4) setting up work zone markers and signs if such zones are specified in the site safety plan, 5) reporting all accidents, incidents, and infractions of safety rules and requirements, and 6) directing other personnel to wear protective equipment as needed. The SSO may suspend work anytime he/she determines that the provisions of the site safety plan are inadequate to ensure worker safety and inform the PM and CHSD of individuals whose on-site behavior jeopardizes their health and safety or the health and safety of others.

HAZARD ASSESSMENT

Gasoline, fuel oils, and motor oil are complex mixtures of aliphatic and aromatic hydrocarbons. The predominant classes of compounds in motor oil, gasoline, kerosene, and jet fuels are the paraffins (e.g., hexane, octane), naphthenes (e.g., cyclohexane), and aromatics (e.g., benzene, toluene). Gasoline contains about 80 percent paraffins, 6 percent naphthenes, and 14 percent aromatics. Kerosene and jet fuels contain 42-48 percent paraffins,

36-38 percent naphthenes, and 16-20 percent aromatics. Diesel fuels and heating oils contain less than 10 percent paraffins, 14-23 percent naphthenes, and 68-78 percent non-volatile aromatics. These heavier fuels contain almost no volatile aromatic compounds. Chemicals are usually added to automotive and aviation fuels to improve their burning properties. Examples are tetraethyllead and ethylene dibromide. Most additives are proprietary materials.

Flammability

Crude oil and petroleum distillate fuels possess two intrinsic hazardous properties, namely, flammability and toxicity. The flammable property of the oil and fuels presents a far greater hazard to field personnel than toxicity because it is difficult to protect against and can result in catastrophic consequences. Being flammable, the vapors of volatile components of crude oil and the fuels can be explosive when confined.

The lower flammable or explosive limits (LFL or LEL) of typical fuels range from 0.6 percent for JP-5 to 1.4 percent for gasoline. LFL and LEL are synonyms. Flash points range from -36 degrees F for gasoline to greater than 150 degrees F for No. 6 fuel oil. JP-5 has a flash point of 140 degrees F. Although JP-5 has a lower LEL than gasoline, JP-5 is less hazardous because its vapors must be heated to higher temperature to ignite.

Crude oil and petroleum distillate fuels will not burn in the liquid form; only the vapors will burn and only if the vapor concentration is between the upper and lower flammable limits, sufficient oxygen is present and an ignition source is present. If these conditions occur in a confined area, an explosion may result.

The probability of fire and explosion can be minimized by eliminating any one of the three factors needed to produce combustion. Two of the factors -- ignition source and vapor concentration -- can be controlled in many cases. Ignition can be controlled by prohibiting open fires and smoking on site, installing spark arrestors on drill rig engines, and turning the engines off when LEL's are approached. Vapor concentrations can be reduced by using fans. In fuel tanks, vapor concentrations in the head space can be reduced by introducing dry ice (solid carbon dioxide) into the tank; the carbon dioxide gas will displace the combustible vapors.

Toxicity

Crude oil and petroleum distillate fuels have relatively low acute inhalation and dermal toxicities. Concentrations of 160 to 270 ppm gasoline vapor have been reported to cause eye, nose, and throat irritation after several hours of exposure. Levels of 500 to 900 ppm can cause irritation and dizziness in one hour, and 2000 ppm produces mild anesthesia in 30 minutes. Some people report headaches when exposed to 25 ppm gasoline vapors. Most fuels, particularly gasoline, kerosene, and jet fuels, are capable of causing skin irritation after several hours of contact with the skin.

Petroleum fuels have moderate oral toxicity. The lethal dose of gasoline in children has been reported to be as low as 10-15 grams (2-3 teaspoons). In adults, ingestion of 20-50 grams of gasoline may produce severe symptoms of poisoning. If liquid fuel is aspirated (passed into the lungs), gasoline and other petroleum distillate fuels may cause secondary pneumonia and can be fatal.

Some of the additives to gasoline, such as ethylene dichloride, ethylene dibromide, and tetraethyllead, are highly toxic; however, they are present in such low concentrations that their contribution to the overall toxicity of gasoline and other fuels is negligible in most instances.

OSHA has not developed permissible workplace exposure limits for crude oil and petroleum distillate fuels. OSHA recommends using permissible exposure limits for individual components, such as benzene. ACGIH has established a permissible exposure limit of 300 ppm for gasoline. The 300 ppm limit took into consideration the average concentration of benzene in gasoline (1 percent) as well as its common additives. Exposure limits established by other countries range from 250 to 500 ppm. Chemical date sheets, prepared for the U.S. Coast Guard's Chemical Hazard Information System (CHRIS), list 200 ppm as the permissible exposure limit for kerosene and jet fuels. This limit was not developed by NIOSH/OSHA or ACGIH.

HEALTH AND SAFETY REQUIREMENTS

Personnel Clearance

HART employees assigned to field operations must (1) be certified in HART's Medical Surveillance Program as being physically fit to wear respiratory protective devices and to perform their assigned field work and (2) be certified by a HART Corporate and Safety Officer as having successfully completed, as a minimum, HART's health and safety training course for field personnel or the equivalent. Physical examination protocols and the basic training requirements are described in Sections 3.0 and 4.0 respectively, of HART's Hazardous Waste Management Practice Health and Safety manual, dated October 1985.

Site-Specific Safety Briefing

Before field work begins, all field personnel, including subcontractor employees, must be briefed on their work assignments and safety procedures contained in this document. Each must be provided with a copy of this document and submit a signed safety compliance agreement to the project manager before commencing work. Individuals refusing to sign the agreement will be prohibited from working.

Personnel Protective Equipment

Required Equipment. Each member of the HART field team must be provided with the equipment listed below, although it may not prove necessary:

- o NIOSH-approved fullface respirator with organic vapor cartridges (color coded black) (if needed).
- o Polyethylene-coated Tyvek coveralls (if needed)
- o Splash-proof safety goggles
- o Nitrile or neoprene gloves
- o Neoprene or butyl boots, calf-length with steel toe and shank
- o Hardhat with splashshield

Equipment usage. Chemical-resistant safety boots (Neoprene, butyl, or PVC) must be worn during the performance of work where surface soil is obviously contaminated with oil or fuel, when product quantities of oil or fuel are likely to be encountered, and within 10 feet of operating heavy equipment.

Respirators must be worn whenever total airborne organic vapor levels in the breathing zone of field personnel reach or exceed a 15-minute average of 10 ppm or a 1-minute average of 100 ppm. If total airborne organic vapor levels in the breathing zone exceeds 200 ppm for 15 minutes, work must be suspended, personnel directed to move a safe distance from the source, and changes in work practices or respiratory protection considered. Remember that these guidelines apply to petroleum products only.

Chemical resistant gloves must be worn whenever soil or water known or suspected of containing petroleum hydrocarbons is collected or otherwise handled.

Chemical resistant (poly-coated Tyvek) coveralls must be worn whenever product quantities of fuel are actually encountered and when oil- or fuel-saturated soil is handled.

Hard hat with splashshield must be worn when working within 10 feet of any operating heavy equipment (e.g., drill rig, backhoe). If respirators are not needed, splash-proof goggles must be worn whenever product quantities of oil or fuel are encountered.

Operators of some facilities, such as refineries, often require all personnel working within facility boundaries to wear certain specified safety equipment. Such requirements shall be the minimum strictly observed by HART personnel and its subcontractors.

VAPOR MONITORING

Required Equipment

- o Organic vapor meter with flame or photoionization detector
- o Combustible gas meter

Monitoring Requirements and Guidelines. Combustible gas vapor monitoring shall be performed every 15 minutes and whenever necessary to protect field personnel from hazardous vapors. Monitoring must be performed by individuals trained in the use and care of the monitoring equipment.

During drilling operations, vapor emissions from boreholes must be measured whenever the auger is removed from the boring and whenever flights are added or removed from hollow-stem augers. This requirement does not apply to borings less than five feet deep and borings of any depth made to install monitoring wells in uncontaminated soils. Measurements should be made initially with an organic vapor meter, followed with a combustible gas meter if vapor levels exceed the highest concentration measurable with the organic vapor meter.

Initial measurements shall be made about 12 inches from the borehole, both from upwind and downwind positions. If the total hydrocarbon concentrations exceed the respirator use action level, measurements must be made in the breathing zone of the individual(s) working closest to the borehole. Decisions regarding respiratory protection should be made using vapor concentrations in the breathing zone.

Organic vapor meters capable of being operated continuously without attention may be operated in that fashion if desired. However, the instrument must be equipped with an alarm set to sound when vapor concentrations reach a designated ppm level and must be protected against physical damage and soilage.

If total organic vapor concentrations within 12 inches of the borehole exceed the capacity of the organic vapor meter, a combustible gas meter (CGM) must be used to assess if explosive conditions exist. Operations must be suspended, the drill rig motor shut down, and corrective action taken if combustible gas concentrations reach 25 percent of LEL within a 12-inch radius of the borehole or 10 percent of LEL at a distance greater than 24 inches from the borehole. This procedure must also be followed whenever the organic vapor meter goes off-scale at its highest range and no CGM is available. If corrective action cannot be taken, field personnel and all other individuals in the vicinity of the borehole must be directed to move to a safe area, and the local fire department and facility management must be alerted.

Organic vapor meters with flame ionization detectors (FID) are much more sensitive to paraffins, the major component of gasoline, kerosene, and jet fuels, than are meters with 10.0 or 10.2eV photoionization detectors. As the data in Table I show, an FID instrument, such as the Century Systems OVA (Foxboro Analytical), will detect 70-90 percent of actual paraffin concentrations, whereas PID instruments, such as the HNU Model PI-101, AID

Model 580, and Photovac TIP with 10.0 to 10.2 eV lamp will detect only 17-25 percent of actual paraffin concentrations when calibrated with benzene and only 24-35 percent when calibrated with isobutylene. Both types of meters are equally sensitive to most aromatics, including benzene, toluene, xylene, and ethylbenzene. For these compounds, meter readings equal or exceed 100 percent of actual concentrations. PIDs with 11.7 eV lamps are extremely sensitive to paraffins and aromatics. When calibrated to isobutylene, and 11.7 eV PID will register about twice actual paraffin concentrations and 100 percent or more of actual concentrations of benzene, toluene, and xylene.

An FID meter, recently calibrated with methane and in good working condition can be expected to provide readings close enough to actual petroleum hydrocarbon concentrations to make corrections unnecessary. Values obtained with a PID must be corrected when measuring for paraffins. For 10.0 and 10.2 eV PIDs, the meter readings should be multiplied by 5 if the instrument is calibrated with benzene. If the instrument is calibrated with isobutylene, the meter readings should be multiplied by 3. If the instrument is equipped with an 11.7 eV probe and is calibrated with isobutylene, the meter reading should be divided by 2.

Area Control

Access to hazardous and potentially hazardous areas of spill sites must be controlled to reduce the probability of occurrence of physical injury and chemical exposure of field personnel, visitors, and the public. A hazardous or potentially hazardous area includes any area where (1) field personnel are required to wear respirators, (2) borings are being drilled with powered augers, and (3) excavating operations with heavy equipment are being performed.

The boundaries of hazardous and potentially hazardous areas must be identified by cordons, barricades, or emergency traffic cones or posts, depending on conditions. If such areas are left attended, signs warning of the danger and forbidding entry must be placed around the perimeter if the areas are accessible to the public. Trenches and other large holes must be guarded with wooded or metal barricades spaced no further than 20 feet apart and connected with yellow or yellow and black nylon tape not less than 3/4-inches wide. The barricades must be placed no less than two feet from the edge of the excavation or hole.

Entry to hazardous areas shall be limited to individuals who must work in those areas. Unofficial visitors must not be permitted to enter hazardous areas while work in those areas is in progress. Official visitors should be discouraged from entering hazardous areas, but may be allowed to enter only if they agree to abide by the provisions of this document, follow orders by the site safety officer, and are informed of the potential dangers that could be encountered in the areas.

DECONTAMINATION

Field decontamination of personnel and equipment is not required except when contamination is obvious (visually or by odor). Recommended decontamination procedures follow.

Personnel. Gasoline, kerosene, jet fuel, heating oil, gasohol, and diesel oil should be removed from skin using a mild detergent and water. Hot water is more effective than cold. Liquid dishwashing detergent is more effective than hand soap. Motor oil and the heavier fuel oils (No. 4-6) can be removed with dishwashing detergent and hot water also; however, if weathered to an asphaltic condition, mechanic's waterless hand cleaner is recommended for initial cleaning followed by detergent and water.

Respiratory Equipment. After gross decontamination of respirators in the field, respiratory equipment must be completely cleaned off-site using sponge and disinfectant soap after each day's use. Respirators should be air-dried overnight and always stored in a clean bag and box.

Other Equipment. Gloves, respirators, hardhats, boots, and goggles should be cleaned as described under personnel; however, if boots do not become clean after washing with detergent and water, wash them with a strong solution of trisodium phosphate and hot water and, if this fails, clean them with diesel oil followed by detergent and water to remove the diesel oil.

Sampling equipment, augers, vehicle undercarriages, and tires should be steam cleaned. The steam cleaner is a convenient source of hot water for personnel and protective equipment cleaning.

INERTING OF TANKS

Whenever HART personnel must be present during removal or transport of fuel storage tanks, the SSO or designee must determine whether or not the procedures to be used by the firm responsible for tank removal/transport agree with procedures recommended by the American Petroleum Institute (attached). If the firm's procedures, especially those addressing removal/inactivation of flammable vapors, disagree substantially with API's procedures, the PM and CHSD must be notified immediately (by telephone if possible). In turn, the PM shall inform the client that HART personnel will not report to the site during tank removal/transport operations unless proper procedures are used. If the firm responsible for tank removal/transport is under subcontract to HART, it must be required to follow API procedures.

REPORTING

HART's Accident form must be completed and delivered to the CHSD for each accident or incident involving HART personnel. The form is available from the CHSD.

The Site Safety Officer shall prepare a safety completion report after field work has been completed and deliver it to the CHSD. The report shall contain an evaluation of the adequacy of the safety plan, summaries of each accident and safety incident, including safety infractions by site personnel (subcontractors included), air quality monitoring data (if collected) and description of decisions based on them, and recommendation for improving safety at similar sites.

GENERAL SAFE WORK PRACTICE *(Modify This List To Fit Site Conditions)*

1. Eating, drinking, and smoking are prohibited on site.
2. Contact lenses shall not be worn.
3. Work in pairs at all times.
4. Avoid contact with contaminated objects and materials.
5. Do not climb over obstacles.
6. Wear proper head, foot, eye, and body protection.
7. Follow OSHA guidelines and regulations at a minimum for all site activities.
8. As new hazards are encountered, stop work activities to evaluate.
9. Site safety officer shall discuss safety matters with all site personnel at least once a day.
10. Take precautions to minimize heat stress.

Heat Stress Steps that can be taken to reduce heat stress are:

- Acclimatize the body. Allow a period of adjustment to make further heat exposure endurable. It is recommended that a new worker start at 50% of the anticipated total work load for the first day and increase the work load gradually each succeeding day for about a week. Acclimatization can be "lost" if a worker is away from the heat for two weeks.

- Drink more liquids to replace body water lost during sweating.

- Rest frequently and provide shade.

- Increase salt consumption. Sweat is mostly water with smaller amounts of sodium and potassium salts. Replacement fluids should be similar in composition. Thus, salt tablets usually are not necessary and can be harmful. It is better to increase salt on food or drink commercially available preparations that provide the proper balance of water and salts.

- Wear personal cooling devices. There are two basic designs; units with pockets for holding frozen packets and units that circulate a cooling fluid from a reservoir through tubes to different parts of the body. Both designs can be in the form of a vest, jacket, or coverall. Some circulating units also have a cap for cooling the head.

- Wear supplied air suits or respirators that are equipped with a vortex tube that either cools or warms the air being supplied. The vortex tube is not used with self-contained breathing apparatus because it uses large amounts of compressed air during operation.

- Wear cotton long underwear under chemical protective clothing. The cotton will absorb perspiration and will hold it close to the skin. This will provide the body with the maximum cooling available from the limited evaporation that takes place beneath chemical resistant clothing. It also allows for rapid cooling of the body when the protective clothing is removed.

TABLE 1

Relative Sensitivities of FID and PID Instruments to Selected Components of Oils and Petroleum Distillate Fuels

Component	Sensitivity in Percent of Standard		
	FID	PID	
		10.2eV(1)	11.7eV(2)
Paraffins			
Pentane	65	--	141
Hexane	70	22 (31)	189
Heptane	75	17 (24)	221
Octane	80	25 (35)	---
Nonane	90	--	---
Decane	75	--	---
Napthenes			
Cyclopentane	--	--	---
Methylcyclopentane	80	--	---
Cyclohexane	85	34 (40)	---
Methylcyclohexane	100	--	---
Aromatics			
Benzene	150	100 (143)	122
Toluene	110	100 (143)	100
Ethylbenzene	100	---	---
p-Xylene	116	114 (160	---
Cumen	100	---	---
n-Propylbenzene	---	---	---
Napthaeine	---	---	---

(1) Values are relative to benzene standard. Values in parenthesis are relative to isobutylene standard and were calculated.

(2) Values are relative to isobutylene standard.

FIRST AID INFORMATION
(From American Red Cross)

BITES

Animal Bites: Thoroughly wash the wound with soap and water. Flush the area with running water and apply a sterile dressing. Immobilize affected part until the victim has been attended by a physician. See that the animal is kept alive in quarantine. Obtain name and address of the owner of the animal.

Insect Bites: Remove "stinger" if present. Keep affected part down below the level of the heart. Apply ice bag. For minor bites and stings apply soothing lotions, such as calamine.

BURNS AND SCALDS

Minor Burns: DO NOT APPLY VASELINE OR GREASE OF ANY KIND. Apply cold water application until pain subsides. Cover with a dry, sterile gauze dressing. Do not break blisters or remove tissue. Seek medical attention.

Severe Burns: Do not remove adhered particles of clothing. Do not apply ointment, grease or vaseline. Cover burns with thick sterile dressings. Keep burned feet or legs elevated. Seek medical attention immediately.

Chemical Burns: Wash away the chemical soaked clothing with large amounts of water. Remove victims chemical soaked clothing. If chemical is dry like lime, brush away before flushing. Apply sterile dressing and seek medical attention.

CRAMPS

Symptoms: Cramps in muscles of the abdomen and extremities. Heat exhaustion may also be present.

Treatment: Same as for heat exhaustion with soap and water.

FROSTBITE

Symptoms: Just before frostbite occurs skin may be flushed, then change to white or grayish-yellow. Pain may be felt early than subsides. Blisters may appear. Affected part feels very cold and numb.

Treatment: Bring the victim indoors, cover the frozen area, provide extra clothing and blankets. Rewarm frozen area quickly by immersion in warm water.... NOT HOT WATER. DO NOT THE RUB THE PART. Seek medial attention immediately.

HEAT EXHAUSTION Caused by exposure to heat either sun or indoors.

Symptoms: Near normal body temperature. Skin is pale and clammy. Profuse sweating, tiredness, weakness, headache, perhaps cramps, nausea, dizziness, and possible fainting.

Treatment: Keep in lying position and raise victims feet. Loosen clothing, apply cool wet cloths. If conscious, give sips of slat water (1 teaspoon of salt per glass) over a period of one hour. If vomiting occurs, discontinue the salt water. Seek medical attention immediately.

SUNSTROKE

Symptoms: Body temperature is high (106 degrees F or higher). Skin is hot, red and dry. Pulse is rapid and strong. Victim may be unconscious.

Treatment: Keep victim in lying position with head elevated. Remove clothing and repeatedly sponge the bare skin with cool water or rubbing alcohol. Seek medical attention immediately.

CUTS

Apply pressure with sterile gauze dressing, and elevate the area until bleeding stops. Apply a bandage and seek medical attention.

EYES

Foreign Objects: Keep the victim from rubbing his eye. Flush the eye with water. If flushing fails to remove the object apply a dry, protective dressing and consult a physician.

Chemicals: Flood the eye thoroughly with water for 15 minutes. Cover the eye with a dry pad and seek medical attention.

FAINTING

Keep the victim lying down. Loosen tight clothing. If the victim vomits, roll him onto his side or turn his head to the side; if necessary wipe out his mouth. Maintain an open airway. Bathe face gently with cool water. Unless recovery is prompt, seek medical attention.

FRACTURES

Deformity of an injured part usually means a fracture. If fracture is suspected, splint the part. DO NOT ATTEMPT TO MOVE INJURED PERSON: seek medical attention immediately.

POISONING

Call the poison control center for instruction or immediate care. If the victim becomes unconscious, keep the airway open. If breathing stops give artificial respiration by mouth to mouth breathing. Call an emergency squad as soon as possible.

POISON IVY

Remove contaminated clothing; wash all exposed areas thoroughly with soap and water followed by rubbing alcohol. If rash is mild, apply calamine or other soothing skin lotion. If a severe reaction occurs, seek medical attention.

PUNCTURE WOUNDS

If puncture wound is deeper than skin surface, seek medical attention. Serious infection can arise unless proper treatment is received.

SPRAINS

Elevate injured part and apply ice bag or cold packs. DO NOT SOAK IN HOT WATER. If pain and swelling persist, seek medical attention.

UNCONSCIOUSNESS

Never attempt to give anything by mouth. Keep victim lying flat, maintain open airway. If victim is not breathing provide artificial respiration by mouth to mouth breathing and call an emergency squad as soon as possible.

APPENDIX B

SOIL BORING PERMIT

A.P.N. 213 - 020 - 18
Control # H13937

PERMIT APPLICATION
FOR
GROUND WATER AND VADOSE MONITORING WELLS

Site Address: 2210 Palomar Airport Road, Carlsbad, CA 92008

Property Owner:
Name County of San Diego, CA Phone # ( )
Mailing Address

Driller:
Name Beylik Drilling License # 306291-C-57 SC-61 Phone # (714) 870-5360
Mailing Address 591 South Walnut Street, La Habra, CA 90631

Registered Geologist/Engineering Geologist/Civil Engineer (RG/CEG/RCE):
Name Michael P. Donovan Reg. # 4112 Phone # (714) 476-8536
Mailing Address 2041 Business Center Drive, Suite 110, Irvine, CA 92715

Number of Wells To Be Constructed: One

$140.00 fee paid on 3-6-89
3/10/89 # 5393

Bond Posted By: Beylik

Proposed Date of Drilling: March 13, 1989

Type of Well:
- ____ Ground Water
- ____ Vadose
- X Other Soil Boring

Drilling Method:
- X Auger
- ____ Mud Rotary
- ____ Air Rotary
- ____ Percussion
- ____ Other ____

Materials To Be Used:
Casing
- Type
- Gauge
- Diameter
- Well Screen Size

Seal
- ____ Neat Cement
- X Cement & Bentonite
- ____ Other

Gravel Pack
- Specify

Proposed Construction:

Cement Seal	0	to	70
Bentonite Seal		to	
Gravel Pack		to	
Perforation		to	

Note: For wells with multiple completion attach a well construction diagram.

I hereby agree to comply with all regulations of of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

Daniel Smith 3/2/89
Driller Signature Date

Disposition of Application
✓ Approved ____ Denied

Conditions All borings shall be destroyed in accordance with DWR Bulletin 74-81.

Charles R. Lehotsky 3-10-89
Health Officer Date

Within 30 days of well completion, I will furnish the Department of Health Services and the State of California with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application.

Richard P. Donovan #4112 3/6/89
RG/CEG/RCE Signature Date

DHS:HM-9060 (12/86)

County of San Diego
Department of Health Services

9. How will samples be transported and preserved? Undisturbed soil samples collected in brass tubes, capped, packaged in ziplock bags, placed on ice in cooler, and driven to the laboratory within 24 hours.

10. What sampling method will be used?

Split barrell soil sampler, lined with thin-walled brass tubes, advanced by 140-lb. free-falling drop hammer.

11. Are you proposing a variation from the methods and/or procedures presented in the Requirements for construction of Vadose and Ground Water Monitoring Wells (dated May 1986)? If yes, specify these variations.

No.

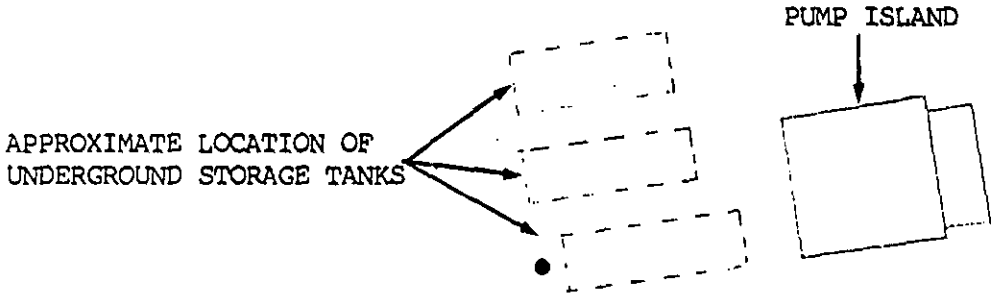
12. What procedures will be used to insure no contamination will be introduced by the drilling equipment?

Drill and tools cleaned with high pressure hot water prior to, and after, drilling the soil boring.

13. What methods will be used to clean the sampling equipment? Scrub with Alconox/ water with stiff brush, rinse twice with distilled water.

14. What cleaning method will be used to clean casing and screen prior to installation?

Not applicable.



FLIGHT
INTERNATIONAL
TRAINING
CENTER

(2210 PALOMAR AIRPORT RD)

1"=20'

N

EXPLANATION

● Proposed Soil Boring Location

Proposed Soil Boring Location

DATE: 10-25-88

HART

APPENDIX C

SOIL BORING LOG

HART

FRED C HART ASSOCIATES, INC.

TEST BORING LOG

BORING/WELL LOCATION SKETCH MAP

N

See Figure 2 in Report

March 1989

BORING NO.	BS-5
PROJECT NO./NAME	00457-00/000001-02, Flight Internat.
LOCATION	Carlsbad, CA
DRILLING CONTRACTOR/DRILLER	Beylik Drilling Inc., Alex Bashta
HART GEOLOGIST/OFFICE	Steven D. Fundingsland, Irvine, CA
DRILLING EQUIPMENT/METHOD	CME 750 / Hollow Stem Auger
SIZE/TYPE OF BIT	6" OD / Auger
SAMPLING METHOD	Split Spoon
START/FINISH DATE	3-27 to 3-28
WELL INSTALLED? YES ☐ NO ☒	
CASING MAT./DIA.	N/A
SCREEN: TYPE	N/A
MAT.	N/A
LENGTH	N/A
DIA.	N/A
SLOT SIZE	N/A
ELEVATION OF: (FT. ABOVE M.S.L.) GROUND SURFACE	320
TOP OF WELL CASING	N/A
TOP & BOTTOM SCREEN	N/A
GW SURFACE	N/A
DATE	N/A

REMARKS: Clear, warm, breezy, PID readings collected in non-wind protected area

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	LOG OF TEST BORING — DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
				4" Asphalt Paving 1/4" pea gravel backfill			
1.5	1	1.5	3/5/5	Stiff, moist, brown, gray, silty CLAY (CL)	PID = 0		
4	2	1.5	4/6/7	Stiff, moist, gray, grown, silty CLAY (CL) 90% of sample collected is trash and debris, strong odor	PID = 20		
9	3	1.5	1/2/3	Medium stiff, dry, light brown, tan, sandy SILT, some organic material in sample (small 1/64" OD wood twigs ?)	PID = 5		
14	4	1.5	5/7/5	Medium dense, dry, light brown, tan-gray, silty SAND (SM) some weathered rock fragments	PID = 40		
19	5	1.5	2/2/3	Loose, dry, light brown, tan, silty SAND (SM) some weathered rock fragments	PID = 20		

5 10 15 20

Proportions Used: Trace = 0-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

Sampling Abbreviations: SS = Split Spoon, ST = Shelby Tube, CSC = Continuous Soil Core

FRED C. HART ASSOCIATES, INC.

BORING NO. BS - 5

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
24	6	1.5	8/8/9	Medium dense, dry, light brown, tan, silty SAND (SM)	PID = 200		
25							
29	7	1.5	13/17/20	Dense, dry, light brown, tan, SAND (SW) well graded, subrounded, subprimoidal Strong chemical odor in drill returns	PID = 150 Background PID = 10, BZ PID = 0		
30							
34	8	1.5	15/17/22	Dense, dry, light brown-tan-red, silty SAND (SM) some clay lens in sample	PID = 150		
35							
39	9	1.5	11/15/21	Hard, dry, brown-red, silty CLAY (CL) some yellow and rust colored lens of organic clays 1/32"	PID = 10		
40							
44	10	1.5	16/21/26	Dense, dry, brown, red-rust-gray, silty SAND (SM) some rock fragments	PID = 0		
45							
49	11	1.5	17/36/41	Very dense, dry, gray, silty SAND (SM)	PID = 0		

FRED C. HART ASSOCIATES, INC.

BORING NO. BS-5

LOG OF TEST BORING

DEPTH (FT)	SAMPLE NO. AND TYPE	RECOVERY (FT)	PENETRATION RESISTANCE BLOWS/FT	DESCRIPTION	REMARKS	WELL CONST.	GRAPHIC LITHO LOG
54	12	1.5	21/35/31	Very dense, dry, gray, silty SAND (SM)	PID = 0		
55							
59	13	1.5	18/29/40	Very dense, dry, gray, silty SAND (SM) some organic material (wood)	PID = 0		
60							
64	14	1.5	14/39/42	Very dense, dry, dark gray, silty SAND (SM) some organic material (wood)	PID = 0		
65							
69	15	1.5	19/45/50	Very dense, dark gray, silty SAND (SM)	PID = 0		
70							
				End Boring at 70.5			

APPENDIX D

CHAIN - OF - CUSTODY

D.C. No.: I 0071

HART

Name: Steven D. Fundingsland
Affiliation: HART Environmental Management Corp.
Phone: (714) 476-8536
Address: 2041 Business Center Drive, Suite 110 Irvine, CA
Client/Job No: Flight International 00452-00/00001-02
Job Name: Flight International Location: Carlsbad, CA

CHAIN OF CUSTODY RECORD

Sample No.	Lab I.D. No.	Date	Time	Matrix	No. of Containers	Analysis Requested/Remarks
BS-5-1-1		3-27-89	1050	Soil	1	EPA 8015 TPH EPA 8020 BTXE
BS-5-2			1055		1	EPA 8015 TPH EPA 8020 BTXE
BS-5-3-1			1105		1	EPA 8015 TPH EPA 8020 BTXE
BS-5-4-1			1115		1	EPA 8015 TPH EPA 8020 BTXE
BS-5-5-1			1130		1	EPA 8015 TPH EPA 8020 BTXE
BS-5-6-1		3-28-89	0845		1	EPA 8015 TPH EPA 8020 BTXE
BS-5-7-1			0900		1	EPA 8015 TPH EPA 8020 BTXE
BS-5-8-1			0930		1	EPA 8015 TPH EPA 8020 BTXE
BS-5-9-1			0950		1	EPA 8015 TPH EPA 8020 BTXE
BS-5-10-1			1010		1	EPA 8015 TPH EPA 8020 BTXE

Comments: EPA 7421 Organic lead requested on sample with highest TPH concentration

Relinquished by: Steve D Fundingsland Date: 3-28-89 Time: 1645 Shipment Method: Hand Airbill No.:

Received by: [signature] Date: 3/28/89 Time: 4:45 Relinquished by: Date: Time:

Received by: Date: Time: Relinquished by: Date: Time:

Final Disposition of Samples:

Received by: Date: Time:

HART Form 400 Pink/Field Copy - Yellow/Lab Copy - White/Original - To be returned with results.

D.C. No.: I 0072

HART

Name: Steven D. Fundingsland
Affiliation: HART Environmental Management Corp
Phone: (714) 476-8536
Address: 7041 Business Center Drive Suite 110 Irvine CA
Client/Job No: Flight International 2045-00/00001-02
Job Name: Flight International Location: Carlsbad, CA

CHAIN OF CUSTODY RECORD

Sample No.	Lab I.D. No.	Date	Time	Matrix	No. of Containers	Analysis Requested/Remarks
BS-5-11-1		3-28-89	1035	Soil	1	EPA 8015 TPH EPA 8020 BTXE
BS-5-12-1		"	1100	"	1	EPA 8015 TPH EPA 8020 BTXE
BS-5-13-1		"	1135	"	1	EPA 8015 TPH EPA 8020 BTXE
BS-5-14-1		"	1210	"	1	EPA 8015 TPH EPA 8020 BTXE
BS-5-15-1		"	1245	"	1	EPA 8015 TPH EPA 8020 BTXE

Comments: EPA 7421 Organic Lead Requested on sample with highest TPH Concentration.

Relinquished by: [signature] Date: 3-28-89 Shipment Method: Hand
Steven D. Fundingsland Time: 1645 Airbill No.:

Received by: [signature] Date: 3/29/89 Relinquished by: _____ Date: _____
Time: 4:45 Time: _____

Received by: _____ Date: _____ Relinquished by: _____ Date: _____
Time: _____ Time: _____

Final Disposition of Samples: _____

Received by: _____ Date: _____ Time: _____

HART Form 400 Pink/Field Copy - Yellow/Lab Copy - White/Original - To be returned with results.

APPENDIX E

LABORATORY ANALYTICAL DATA

Del Mar Analytical
18102 Sky Park South, Suite F · Irvine, CA 92714
(714) 261-1022 · FAX (714) 261-1228

Hart Environmental
2041 Business Center Drive, #110
Irvine, CA 92715

Date Sampled: 03/27/89
Date Received: 03/28/89
Date Analyzed: 04/07/89
Date Reported: 04/11/89

Attention: M. Donovan

Project: 00457-00/00001-02, Flight International

Analysis: Total Hydrocarbons with BTEX distinction:
Soil Sample

Sample Description	Sample Number	Benzene ppm	Toluene ppm	Ethylbenzene ppm	Xylenes ppm	Total Hydrocarbons ppm
BS-5-1-1	9030753	N.D.	N.D.	N.D.	N.D.	N.D.
BS-5-2-1	9030754	N.D.	0.07	N.D.	N.D.	7.9
BS-5-3-1	9030755	N.D.	N.D.	N.D.	N.D.	2.3
BS-5-4-1	9030756	N.D.	0.54	N.D.	N.D.	6.4
BS-5-5-1	9030757	0.06	0.31	0.05	0.05	20
BS-5-6-1	9030758	0.25	30	1.8	1.7	150
BS-5-7-1	9030759	9.3	170	3.2	2.6	560
BS-5-8-1	9030760	1.8	14	2.7	1.9	380
BS-5-9-1	9030761	0.55	9.6	0.28	0.34	97
Detection Limit		0.05	0.05	0.05	0.05	1.0

N.D. = None Detected above stated Detection Limit

This analysis was performed using EPA methods 5030 with 8015 for hydrocarbon detection, and 8020 for BTXE detection. Method 8015 has been modified to meet the specifications of the California LUFT Manual.

Del Mar Analytical

Gary Steube
Laboratory Director

Del Mar Analytical
18102 Sky Park South, Suite F · Irvine, CA 92714
(714) 261-1022 · FAX (714) 261-1228

Hart Environmental
2041 Business Center Drive, #110
Irvine, CA 92715

Date Sampled: 03/27/89
Date Received: 03/28/89
Date Analyzed: 04/07/89
Date Reported: 04/11/89

Attention: M. Donovan

Project: 00457-00/00001-02, Flight International

Analysis: Total Hydrocarbons with BTEX distinction:
Soil Sample

Sample Description	Sample Number	Benzene ppm	Toluene ppm	Ethylbenzene ppm	Xylenes ppm	Total Hydrocarbons ppm
BS-5-10-1	9030762	N.D.	0.23	N.D.	N.D.	11
BS-5-11-1	9030763	0.06	0.24	N.D.	N.D.	17
BS-5-12-1	9030764	N.D.	0.30	N.D.	N.D.	2.3
BS-5-13-1	9030765	N.D.	N.D.	N.D.	N.D.	N.D.
BS-5-14-1	9030766	N.D.	N.D.	N.D.	N.D.	N.D.
BS-5-15-1	9030767	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit		0.05	0.05	0.05	0.05	1.0

N.D. = None Detected above stated Detection Limit

This analysis was performed using EPA methods 5030 with 8015 for hydrocarbon detection, and 8020 for BTXE detection. Method 8015 has been modified to meet the specifications of the California LUFT Manual.

Del Mar Analytical

Gary Steube
Laboratory Director

Del Mar Analytical
18102 Sky Park South, Suite F • Irvine, CA 92714
(714) 261-1022 • FAX (714) 261-1228

Hart Environmental
2041 Business Center Drive, #110
Irvine, CA 92715

Date Sampled: 03/27/89
Date Received: 03/28/89
Date Analyzed: 04/07/89
Date Reported: 04/11/89

Attention: M. Donovan

Project: 00457-00/00001-02, Flight International

Analysis: Organic Lead, wet weight: Soil Samples

Sample Description	Sample Number	Detection Limit mg/Kg	Sample Result mg/Kg
BS-5-7-1	9030759	0.5	N.D.

N.D. = None Detected above stated Detection Limit

This analysis was performed using the appropriate method described in the Californai LUFT Manual.

Del Mar Analytical

Gary Steube
Laboratory Director

Reviewed dlf 4/18/89

FLIGHT INTERNATIONAL

2210 Palomar Airport Road • Carlsbad, California 92008 • (619)438-6800

12 April 1989

Mr. Darryl Fowler
County of San Diego
Department of Health Services
1700 Pacific Highway
San Diego, CA 92101-2417

Dear Mr. Fowler:

This letter is to update you on recent activity regarding the investigation at our Fuel Farm Facility. To date, we have completed the boring described in previous correspondence. Once the analysis of this drilling has been completed and analyzed, we will forward same to you. It is anticipated that within seven to fourteen days, you will have this information.

Should you have any questions, please give me a call.

Sincerely,

Dan W. Burkhart
Director of Operations - Carlsbad

D.O.H.S.
DIV. OF E.H.P.
HAZ. MAT. UNIT
MAR 20 2 50 PM '89

Review of 3/20/89

FLIGHT INTERNATIONAL

2210 Palomar Airport Road • Carlsbad, California 92008 • (619) 438-6800

16 March 1989

Mr. Darryl Fowler
County of San Diego
Department of Health Services
1700 Pacific Highway
San Diego, CA 92101-2417

Dear Mr. Fowler:

This letter shall serve as the update report you requested in your letter dated February 1, 1989. At this time, a permit has been applied for and granted by the County for the drilling of one boring to 70 feet near the aviation gasoline tank. Soil samples will be collected every 5 feet and analyzed for constituents as specified by the County. Please see the work plan previously submitted by Fred C. Hart Associates, Inc. for additional information.

Depending on subcontractor schedules, drilling activities are expected to commence on or about March 23, 1989. Normal laboratory turnaround time for the analytical data is 10 working days. The results of this phase of the investigation will be forwarded to you shortly thereafter.

Please call if you have any questions or require additional information.

Sincerely,

FLIGHT INTERNATIONAL

Dan W. Burkhart
Director of Operations - Carlsbad

DWB:nnn

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR
(619) 236-7633

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

DATE:

MEMORANDUM FOR: California Regional Water Quality Control Board, San Diego Region

FROM: Hazardous Materials Management Division (HMMD)

SUBJECT: **UNAUTHORIZED RELEASE OF HAZARDOUS MATERIAL FROM AN UNDERGROUND STORAGE TANK T#** 2247 / H13987-003

Evidence of an unauthorized release of a hazardous material has been noted by HMMD staff at the site described below:

Site Address: 2210 Paloma Airport Rd (McClellan-Paloma Airport) — Carlsbad — 92008
(Street — City — Zip Code)

Property Owner: SD County - (County Airports)
(Name)

RP is: Western Flight International, Inc — 2210 Paloma Airport Rd — Carlsbad CA — 92008
(Street — City — Zip Code)

Telephone: 619/438-6800

Tank Operator: Western Flight Intl, Inc — (Telephone)
(Name)

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s): 1-20k, single wall fiberglass UST containing Jet Fuel

Amount Released: ~600 ● (Gallons) — 2 days (Time Period)

Release Detected By:

____	Routine Tank Testing	____	Evidence of Soil Contamination Detected During Tank Removal
____	Test of Piping	____	Evidence of Leaky Tank Detected During Tank Removal
____	Inventory Audit	X	Other Tank sticking accident, punctured tank bottom, estimated loss of 600 gal.
____	Monitoring Device/Well		

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage): 2-20k Jet Fuel USTs + 1-12k Aviation gasoline w/low/lead UST all USTs are single wall, fiberglass, ~10 yrs old,

Date Release Reported to or Detected by HMMD: 2/26/92

Contact With Other Agencies: County Airports ~~will be pending~~ will contact DPH

Additional Comments:

* Release may have occurred above former landfill

Please call the HMMD at 338-~~2222~~ 2373 if you have questions or comments regarding the above.

HMMD Staff: Alec Naugle

DHS:HM-9010 (10/89)

460 5820

From: GILBERT ESQUIBEL (GESQUI)
To: ANAUGL,AWINGG
Date: Wednesday, February 26, 1992 2:23 pm
Subject: COMPLAINT #9202093

ABOVE COMPLAINT MARKED "IMMEDIATE ACTION" FOR SA/M - ALEC NAUGEL WITH COPY TO AWING - BY HMDUTY - PLACED IN YOUR MAIL BOXES.
RPT BY MONTE TESTERMAN, WESTERN FLIGHT INTERNATIONAL - 438-6800, 2210 PALAMAR AIRPORT RD, CARLSBAD, CA. REPORT - NOTIFICATION THAT LOST ABT 600 GALS JET DIESEL FUEL FROM UNDERGROUND TANK. WORKER WORKING WITH STEEL BAR, HAD STEEL BAR SLIP AND BAR PUNCHERED TANK - LOSING FUEL FROM TANK. REQUESTS CALL ON WHAT ELSE HE IS REQUDIRED TO DO.
NOTE: LAST INSPECTION 10/90. LAST PRECISION TEST 8-20-87. BUSINESS PLAN ON FILE; FILE MISSING FROM HARD COPY FILE; NO OUTSTANDING SA/M PERMITS. NAME OF CONST CO - NONE. WHAT WAS BEING DONE WHEN TANK PUNCTURED. (NOTE FROM HM DUTY)
SEMPER FI, GILBERT

CC: HMDUTY

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

Copy to Alex Naugel

NO. 4 /PROP 65 NO. 9202093

Copy

COMPLAINT/PROPOSITION 65 DISCLOSURE REPORT

DATE/TIME RECEIVED 2/26/92 0755
RECEIVED BY C. Bent
DATE/TIME OF INCIDENT 2/24/92
ASSIGNED TO D Naugle (A wing)
LOCATION OF PROBLEM TB 20 B/
REPORTED BY
2210 Palomar Airport Rd
AGENCY
ADDRESS
CITY Carlsbad ZIP 92008
PHONE
NEAREST CROSS STREET El Camino Real
BUSINESS NAME Western → Flight International
ESTABLISHMENT NO. H13987

✓ IMMEDIATE ACTION SAM Alec Naugel
✓ ROUTE TO SPECIALIST Arnie Wing
___ ROUTINE/WORK IN PROGRESS
___ ACTION TAKEN BY OTHER AGENCY
___ INFO PREVIOUSLY RECEIVED
REVIEWED BY

PREVIOUS COMPLAINTS
REFERRED: YES NO
AGENCY

NATURE OF COMPLAINT/DISCHARGE Report - Notification - Info - Lost About 600 Gals Jet Diesel Fuel From Underground Tank. Worker Working With Steel Bar, Had Steel Bar Slip And Bar Punctured Tank - Losing Fuel From Tank.
(Requests Be Advised What Else He Is Required To Do On Incident - Req's Call.)

ESTIMATED QUANTITY DISCHARGED QUANTITY THREATENED TO BE RELEASED
HEALTH THREAT/EXPOSURES - EXPLAIN

Last inspection ~~November~~ 10/90. Last precision test 8-20-87.
CURRENT STATUS Business plan on file; file missing from hard copy file; no outstanding SAM permit
Name of construction Co. - none -
What was being done when tank punctured.

A) Is this report being submitted as a Proposition 65 disclosure? YES ___ NO ___
B) Is the person making the report a designated government employee? YES ___ NO ___
C) Designated employee stated that discharge/threatened discharge is likely to cause substantial injury to the public health or safety. YES ___ NO ___

Environmental Consultants

8799 Balboa Avenue
Suite 290
Sam Diego, CA 92123

858 571-5500
Fax 858 571-5357
www.scsengineers.com

SCS ENGINEERS

Site Assessment Activities
Western Flight
2100 Palomar Airport Road
Carlsbad, California

TSMC:50-2227.05:kdorsey

Prepared for:

Mr. Monte Testerman
c/o Wayne Rosenbaum
Foley & Lardner, LLP
402 West Broadway, 23rd Floor
San Diego, CA 92101

Prepared by:

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, California 92123
(858) 571-5500

January 18, 2008

Project Number: 01205558.02

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www.scsengineers.com

SCS ENGINEERS

January 18, 2008
Project Number: 01205558.02

Mr. Monte Testerman
c/o Wayne Rosenbaum
Foley & Lardner, LLP
402 West Broadway, 23rd Floor
San Diego, CA 92101

RE: Site Assessment Activities (Assessment)

TSMC:50-2227.05:kdorsey

Site: Western Flight, Inc.
2100 Palomar Airport Road
Carlsbad, California

Dear Mr. Testerman:

SCS Engineers (SCS), formerly dba Environmental Business Solutions (EBS), is pleased to present this letter report (Report) of the Assessment of petroleum hydrocarbon-bearing soil in the vicinity of three underground storage tanks (USTs) at the referenced Site (Figures 1 & 2). This Report was prepared in general accordance with the guidelines set forth by the County of San Diego Department of Environmental Health (DEH) and in accordance with Exhibit 02 to the Contract between SCS and Western Flight, Inc. (Client) dated August 16, 2006.

BACKGROUND

The Site is located at the McClellan Palomar Airport in Carlsbad, California, and is occupied by Western Flight, Inc. Western Flight is a fixed-base operator that provides training, maintenance, fueling, tie-down, and charter services for the private aviation industry. There are currently three USTs situated at the Site: one 12,000-gallon UST containing aviation gas (Avgas) and two 20,000-gallon USTs containing Jet A fuel.

Previous Site Investigations

In preparing this Report we have reviewed a number of documents regarding previous investigations at the Site, including:

- *Soil Boring Investigation Report, Flight International,* prepared by Fred C. Hart & Associates (Hart), dated April 25, 1989.
- *Work Plan Site Assessment,* prepared by Toxguard, dated April 11, 1997.
- *April - September 2005 Semi-Annual Monitoring Report, Palomar Airport Landfill, Carlsbad, California,* prepared by GeoSyntec Consultants (GeoSyntec), dated October 2005.
- *October 2005 – March 2006 Semi-Annual Monitoring Report and 2005 Annual Monitoring Report, Palomar Airport Landfill Carlsbad, California*, prepared by GeoSyntec, dated April 2006.

Based on a review of these reports, we understand that unauthorized releases of petroleum hydrocarbons from the USTs occurred in December 1987 and in February 1992. It is our understanding that in December 1987 the 12,000-gallon UST was punctured, and approximately 3,000 to 4,000 gallons of Avgas were reportedly released to the subsurface (DEH Case Number H13987-001). In February 1992 one of the 20,000-gallon USTs was punctured, and approximately 600 gallons of Jet A fuel were reportedly released to the subsurface (DEH Case Number H13987-003).

In December 1987, IT Corporation advanced four shallow soil borings to approximately 20 feet below ground surface (bgs) in the vicinity of the USTs. Cuttings/samples from the borings were visually screened by IT Corporation (qualitative laboratory analyses were not performed on the cuttings/samples). IT Corporation reported that no soil contamination was evident in any of the four borings (based on a visual inspection).

In February 1988, one soil boring (AHC-B1) was advanced by Applied Hydrogeologic Consultants (AHC) south of one of the 20,000-gallon UST, to a depth of 70 feet below ground surface (bgs). Soil samples collected from 30 and 35 feet bgs were reported to have detectable concentrations of petroleum hydrocarbons of 22,000 and 4,600 parts per million (ppm), respectively. A soil sample collected from 70 feet bgs was reported not to have detectable concentrations of petroleum hydrocarbons (Figure 4). Obvious indications of groundwater were reported not to be present in the boring.

On March 27, 1989, Hart advanced one soil boring (BS-5) to approximately 70 feet bgs adjacent to the southwest end of the USTs (Figures 3 and 4). Petroleum hydrocarbons were reported to be present in soil samples collected from depths ranging from 5 to 50 feet bgs, with the highest concentrations at 30 and 35 feet bgs. Obvious indications of groundwater were reported not to be present in the boring.

A workplan was prepared by Toxguard Systems, Inc. (Toxguard) in April 1997 detailing an investigation of the unauthorized releases in the vicinity of the three USTs.

The April 1997 workplan was not implemented, and on October 28, 2005, the DEH issued a letter requesting a written update regarding the implementation of the workplan. Subsequently, during a January 26, 2006 telephone conversation between SCS and Mr. James Clay of the DEH, Mr. Clay verbally requested the submittal of a revised workplan detailing proposed assessment activities at the Site.

Site Setting and Applicable Regulations and Regulatory Guidance

The USTs are underlain by an cloased landfill (Palomar Airport Landfill). The extent and depth of the landfill material in the vicinity of the USTs are presently unknown. Several groundwater monitoring wells have been installed at the landfill which are monitored (by others) on a semi-annual basis. According to GeoSyntec, perched groundwater as well as a "deep aquifer" are located beneath the Site. The deep aquifer is reported to be the "primary continuous groundwater zone encountered beneath the site." Based on the available data, perched groundwater appears to be present in the vicinity of the Site at approximately 35 feet below grade and is reported to flow to the south-southeast at a rate of 2.5 feet per year.[1]

Two wells monitored by Geosyntec (MW-12 and MW-16) are situated in the vicinity of the Site, and appear to be situated down- and crossgradient of the Site, respectively.[2] These wells both are reported to intercept the perched groundwater in the Site vicinity. Groundwater analytical results from February 2007 for the two wells are presented in the following table:

---

1 *April 2007 – September 2007 Semi-Annual Monitoring Report and 2005 Annual Monitoring Report Palomar Airport Landfill Carlsbad, California*, GeoSyntec Consultants, dated April 2007.

2 GeoSyntec, 2007.

VOCs (µg/L)	MW-12	MW-16
Benzene	0.32	3.6
Toluene	1.5	4.0
Ethylbenzene	0.43	0.27
Xylenes	2.36	0.34
Chloroform	ND	ND
1,1-Dichloroethane	0.43	4.2
1,1-Dichloroethene	ND	3.9
cis-1,2-Dichloroethene	ND	4.2
1,2,4-Trimethylbenzene	1.4	ND
Dichlorodifluoromethane	30	24
Methylene chloride	11	ND
Tetrachloroethene	2.1	5.0
Trichloroethene	ND	12
Vinyl chloride	3.2	3.9

Notes:
VOCs = volatile organic compounds
µg/L = micrograms per liter

Based on a review of the above data, it appears that the perched groundwater in the vicinity of the USTs at the Site contains detectable concentrations of benzene, toluene, ethylbenzene, xylenes, and other volatile organic compounds (VOCs). These low levels do not appear indicative of a substantial release of Avgas or Jet A fuel in the vicinity of the USTs at the Site.

Applicable Regulations and Regulatory Guidance

Requirements for the assessment and mitigation of petroleum hydrocarbons in soil and groundwater at the Site are set forth in the California Code of Regulations (CCR). According to the CCR, Title 23, Chapter 16, Section 2655:

The owner or operator shall remove free product to the maximum extent practicable, as determined by the local agency, while continuing to take any actions required under sections 2652 through 2654.

Previous Subsurface Investigation by SCS

Based on a conversation with the Client and given the extended period of time since the most recent sampling activities, SCS performed a limited subsurface assessment at the Site in February 2006 in the vicinity of the USTs in order to collect "baseline" data prior to the preparation of the workplan. The assessment included the drilling and sampling of four soil borings (SCSB1 - SCSB4) to depths of approximately 19.9 feet bgs. These borings did not intercept groundwater, estimated at that time to occur at a depth of approximately 40 feet bgs.

Petroleum hydrocarbons (including Avgas and jet fuel) as well as benzene, toluene, ethylbenzene, xylenes (BTEX) and naphthalene (collectively referred to as constituents of concern [CoCs]) were reported to be present in soil samples collected from the borings. Soil sample analytical results are summarized in Tables 1 and 2, and Figures 4 and 5. Laboratory results are included in the Appendix. Based on these results, it is apparent that the USTs had released petroleum hydrocarbons, BTEX, and naphthalene to the subsurface.

Two soil samples collected from borings SCSB1 and SCSB3 were also submitted to a laboratory for a particle size analysis and for a hydraulic conductivity analysis. Based on these analyses, the soil in the vicinity of the USTs appears to be composed primarily of silt with a maximum hydraulic conductivity of 2.69 E-7 centimeters per second (cm/s).

The scope of services for the current Assessment was designed to assess the vertical and lateral extent of petroleum hydrocarbon-bearing soil and groundwater in the vicinity of the three USTs at the Site.

Site Description Summary

Site Name:	2100 Palomar Airport Road
Site Owner:	County of San Diego, Airports Division
Site Tenant:	Western Flight, Inc.
Site Address:	2100 Palomar Airport Road Carlsbad, California
Assessor's Parcel Number (APN):	213-020-18
DEH Case #:	H13987-001 and -003
Global ID:	T0607300994

OBJECTIVES

The objectives of the proposed scope of services were to:

- To further assess the vertical and horizontal extent and concentration of petroleum hydrocarbons and oxygenates in soils at the Site.

- To assess the possible presence and concentration of dissolved petroleum hydrocarbons, volatile organic compounds (VOCs), and oxygenates, and the possible presence of phase-separated hydrocarbons (PSH) in the shallow groundwater at the Site.

SCOPE OF SERVICES

The scope of services conducted to meet the objective included the following tasks.

Preparation for Field Work

Site Assessment Workplan

In general accordance with Title 23 of the CCR, the DEH required that a workplan (Workplan) be prepared for assessment activities at the Site. SCS prepared a written Workplan, dated May 11, 2006, to satisfy the requirements of the DEH. The Workplan approval letter with DEH comments and adjustments is included in the Appendix. The Workplan and approval letter described the field procedures to be utilized in the field investigation, the type of laboratory analyses to be performed on soil and groundwater samples, and the proposed locations of soil borings/groundwater monitoring wells.

Preparation and Submittal of Groundwater Monitoring Well Permit Application

Because wells were proposed to be installed at the Site, a monitoring well permit application was completed and submitted to the DEH for approval along with the required fee. The permit application reflected groundwater monitoring well construction details and was signed by the appropriately licensed professional. Permit number LMON104334 was issued by the DEH prior to drilling and sampling. An additional permit (LMON105087) was completed because of the length of time between the installation of the monitoring wells. Copies of the applications and permits are included in the Appendix.

Preparation of Health and Safety Plan

A Site health and safety plan (Plan) is required for work conducted at the Site by workers within the "exclusion zone" pursuant to the regulations in 29 Code of Federal Regulations (CFR) Part 1910.120 and Title 8 CCR Section 5192. A Plan was prepared which outlined the potential chemical and physical hazards that may be encountered during the drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the Site-specific chemical and physical hazards are detailed in this Plan. Additional health and safety procedures were implemented and followed based on a letter from the County of San Diego - Landfill Division, dated May 30, 2006, where specific requirements were made to incorporate landfill specific health and safety items into the Plan. These additional landfill specific health and safety issues included the monitoring of methane and hydrogen sulfide gas. All field personnel involved with the field work were required to read and sign the document in order to encourage proper health and safety practices. A copy of the letter outlining the requirements of the County of San Diego - Landfill Division are included in the Appendix.

Utility Search and Markout

Prior to drilling, SCS contacted Underground Service Alert (USA) and contracted with the private underground utility search company Underground Locating Services (ULS) to attempt to locate subsurface utilities and improvements at the Site to minimize the likelihood of drilling into an underground utility. No underground utilities were identified by ULS in the vicinity of the former USTs or drilling locations. USA issued ticket number #A2220435 for the utility notification request. USA notified SBC, San Diego Gas and Electric (SDGE), Carlsbad Municipal Water District (CMWD), and the Kinder Morgan pipeline services.

Project Management, Subcontractor Management, and Scheduling

Prior to mobilizing for field work, SCS notified and scheduled the subcontractors including the laboratory, the drilling company, and USA. In addition, SCS met with airport staff, CMWD, SDGE, and SBC representatives prior to fieldwork to map out locations and determine the location of airport improvements.

Field Activities - Drilling and Sampling of Two Soil Borings and Installation of One Monitoring Well

Drilling and Sampling of Four Soil Borings

Two soil borings (MW2 and SCSB5) were drilled on March 5 and 6, 2007, and two soil borings (MW1 and MW3) were drilled on September 5 and 6, 2007 at the Site to assess the extent of petroleum hydrocarbon-bearing soil and to facilitate the installation of monitoring wells. Soil borings MW1, MW2, and MW3 were converted into monitoring wells. The soil boring/monitoring well locations are shown in Figure 3 and soil boring logs are included in the Appendix.

Drilling was performed with a CME-75 drilling rig equipped with 10-inch hollow stem augers provided by Test America Drilling. A professional geologist was on-Site to observe the drilling activity and describe collected soil samples. Soil samples were logged and observed for any indications of the presence of petroleum hydrocarbons, such as discoloration and/or vapors detected by field screening with a photoionization detector (PID), along with significant interpreted changes in soil type or lithology and the presence of groundwater. Soil samples were described in general accordance with the Unified Soil Classification System.

During the drilling activities, soil samples were collected from below 20 feet bgs at approximately 5-foot-depth intervals, at significant lithological changes, and at other appropriate depths based on the professional judgment of the on-Site geologist. Previous investigations at the Site had collected samples above 20 feet bgs. Soil cuttings were also observed and collected in bag samples in order to accurately determine the thickness of any observed contaminated soil. Soil samples were driven into brass tubes. The tubes were covered with Teflon® sheeting, tightly closed with end caps, labeled, and stored in an appropriate ice-packed cooler for submittal to a laboratory for analysis. During the drilling of the borings, soil samples were submitted for analysis to a state-accredited laboratory, provided by H&P Mobile Geochemistry (H&P). Chain-of-custody procedures were implemented for sample tracking.

As required by San Diego County guidelines, the augers were precleaned to minimize the likelihood of cross-contaminating the borings and to minimize the potential for a false positive in the soil samples analyzed. The split-spoon soil sampler was cleaned between samples by using a four-bucket wash consisting of an Alconox-water wash, followed by two tap water rinses and a final rinse with deionized water.

Soil cuttings were placed in labeled 55-gallon drums and stored on-site for later disposal.

Soil Sample Analyses

Soil samples collected from each interval in the soil borings were submitted to a state-accredited laboratory provided by H&P, and analyzed for total petroleum hydrocarbons as gasoline (TPHg) and diesel (TPHd) in general accordance with the CA DHS LUFT method. Each TPH sample chromatogram was then compared to a reference chromatogram for TPH as aviation gas (TPHa) and TPH as Jet A fuel (TPHj). The soil sample with the highest reported concentration of TPH was also analyzed in accordance with EPA Method 8260B for BTEX, and naphthalene.

Installation of Three Groundwater Monitoring Well

After borings MW1, MW2 and MW3 were drilled, groundwater monitoring wells were installed. The wells were constructed with 4-inch-diameter polyvinyl chloride (PVC) casings, with the screened interval consisting of a 20-foot length of 0.010-inch slotted casing that extended both above and below the field-interpreted groundwater surface. Since no groundwater was observe during drilling operations, the monitoring well screen was constructed based on a review of local groundwater wells and previous Site assessment data collected at the Site. A grade 2/12 sand pack was placed around and 2 feet above the screened interval. Well construction details are presented in Table 3 and in the Appendix.

The wells were constructed in accordance with DEH guidelines and California requirements. The well construction varied with typical methods in that the well was not surged prior to placement of the bentonite seal, because there was no water observed in the wells during drilling or well construction. Surging the well with no water in the well was judged to pose a risk to the well screen. No water was observed in monitoring well MW2 a day after installation in March 2007, nor after 7, 14, and 30 days following the installation. Water was initially observed in MW2 in July 2007.

After water was observed in MW2, SCS remobilized to the Site to complete the additional two wells that had been proposed. The additional wells (MW1 and MW3) were installed in September 2007. The additional wells were not installed during the March 2007 mobilization because of the lack of groundwater observed during the initial drilling operations. It was judged that based on the lack of groundwater observed in MW2 until July 2007, the additional proposed wells would have likely been dry and would have not have contributed to the Site assessment. Allowing the groundwater to recharge into MW2, contributed to the Site assessment in that additional wells were appropriately placed intersecting the shallow groundwater.

After completion of MW1 and MW3, all the monitoring wells were surveyed by a licensed land surveyor (Project Design Consultants [PDC]) on November 28, 2007, for both vertical and horizontal control and to allow for an accurate estimate of groundwater elevation and gradient.

Site Safety

The following procedures were used to conduct the drilling activity in a safe manner:

- Procedures stated in the Site Health and Safety Plan were followed.
- Barricades and caution tape were placed around the work area to establish an exclusion zone.
- Unauthorized personnel were not permitted to enter the exclusion zone.
- Air monitoring was conducted in the work area and along the perimeter of the exclusion zone for VOCs, methane, and hydrogen sulfide. Please note that at no time did vapor concentrations exceed the limits established in the Site Health and Safety Plan.

Field Activities - Sampling and Analysis of Groundwater Monitoring Wells

Purging and Sampling of Groundwater Monitoring Wells

Purging and groundwater sampling were attempted by traditional purging methods in accordance with DEH guidelines. Final groundwater samples submitted for analysis were collected as pre-purge samples. Purge water generated during well development and sampling was placed in appropriate 55-gallon drums, which were labeled and stored on-Site pending disposal.

The monitoring wells were sampled on October 1, 2007. The wells were monitored in accordance with DEH guidelines. Depth-to-groundwater measurements were taken using an interphase probe with a manufacturer's reported accuracy of 0.01 foot. Phase-separated hydrocarbons (PSH) were not identified in any of the wells during the gauging or sampling. Because of the slow recharging of groundwater observed during development, a pre-purge groundwater sample was collected from each well as a precaution in the event that the wells did not recharge enough to allow for a groundwater sample to be collected. A pre-purge groundwater sample was collected from each well with a single-use, disposable bailer and decanted into appropriate, laboratory-supplied containers. The samples were labeled and placed in an ice-

packed cooler for transport under chain of custody to the laboratory for analysis in the event that a post-purge groundwater sample could not be collected.

Approximately one casing volume of water was removed from each well using a downhole pump, and no groundwater recharge was observed during purging. Based on the recharge rates observed, MW1A, MW3, and MW4 are interpreted to be slow recharging. Temperature, conductivity, turbidity, dissolved oxygen, and pH were monitored in each well during purging activities using an Horiba U-22XD instrument. Details of well purging activities are presented in the Appendix.

After allowing for 2 hours of recovery, no groundwater was observed to have recharged in the monitoring wells, and no groundwater could be recovered using a bailer. Therefore, the pre-purge groundwater samples were submitted to the laboratory for analysis. Purge water was placed in appropriate 55-gallon drums, which were labeled and left on-Site pending evaluation of disposal options.

Groundwater Sample Analysis

The groundwater samples were submitted to H&P for analysis. The groundwater samples were analyzed for the following:

- TPHg and TPHd in general accordance with the CA DHS LUFT Method.
- BTEX, methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), tertiary amyl methyl ether (TAME), ethyl tertiary butyl ether (ETBE), and tertiary butyl alcohol (TBA), and naphthalene in accordance with EPA Method 8260B.

Disposal of Drummed Soil Cuttings, Rinsate Water, and Purged Groundwater

Soil cuttings generated during the installation of the monitoring wells were placed in 55-gallon drums for transport off-Site at the end of the well installation program. Purged groundwater and rinsate generated during groundwater sampling were placed in 55-gallon drums for transport off-Site. SCS submitted the necessary documentation to Soclaris Contracting (Soclaris) for the disposal of the drummed soil cuttings, rinsate water, and purged groundwater. Fourteen drums were transported off-Site for treatment and reuse under a nonhazardous waste manifest on November 1, 2007. A copy of the Non-Hazardous Waste Manifest is included in the Appendix.

FINDINGS

Site Topography

As reported by a topographic survey performed at the Site by Project Design Consultants (PDC), the elevations of the Site range from approximately 318 to 320 feet above mean sea level. Topography generally slopes toward the south by southwest in the vicinity of the Site.

Site Geology

As interpreted from a geologic map prepared by F. Harold Weber, Jr. (1982),[3] the Site is underlain by the Tertiary-aged Del Mar and Santiago Formations. According to Weber, the Del Mar and Santiago Formations generally consist of mostly nonmarine, undifferentiated deposits (sandstones, clayey sandstones, siltstones), pale gray to white quartz-feldspar sandstone, siltstones and brownish to grayish claystones.

Also, based on a review of a report titled, *Palomar Airport Landfill, Carlsbad, California, Solid Waste Water Quality Assessment Test, Final SWAT Report*, dated April 9, 1993, prepared by Metcalf & Eddy, Inc. and Geotechnical Consultants (SWAT report), the Site is underlain by the Tertiary Santiago Formation. The SWAT report described the Santiago Formation in this area as consisting of "fine to coarse-grained sandstone with minor amounts of interbedded claystone and siltstone in the near surface, with claystone becoming more prevalent at depth." Please note that in this report, the geologic formation encountered at the Site is referred to as the Santiago Formation; however, it has also been referred to as the Del Mar Formation by Weber.

The following description of materials encountered is an interpretation of Site conditions based on soil samples collected during previous and current investigations on-Site. Soil boring lithologic logs are included in the Appendix, and Figures 8 and 9 show generalized geologic cross sections. Based on our observations, it is interpreted that the Tertiary Santiago Formation, based on the above-referenced geologic map and hydrogeologic reference, was encountered below the Site:

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3 Recent Slope Failures, Ancient Landslides, and Related Geology of the North-Central Coastal Area, San Diego County, California.

- *Fill Soil*

  Fill soil was encountered at the Site. The fill soil generally consisted of brown, medium- to coarse-grained sand with some silt and clay. The fill soil extended to a maximum depth of approximately 35 feet bgs.

- *Santiago Formation*

  Sand and clay of the Santiago Formation were encountered throughout the Site beneath the fill to between 32 (SCSB5) and 40 (MW2) feet bgs. This unit generally consisted of very dense, moist to saturated, yellowish and orangish gray, fine- to very fine-grained sand, with varying amounts of silt. At a depth of 34 feet bgs in boring SCSB5 and 40 feet bgs in boring MW2, a gray to very dark gray, hard, nonplastic silt was encountered that extended to the maximum depth drilled (60 feet bgs). This silt unit had been previously encountered by Hart[4] to a maximum depth of 70 feet bgs underlying the UST pit.

Hydrogeology

The Site is interpreted to be located in the Encinas hydrologic area of the Carlsbad hydrologic unit (904.40). Groundwater within this hydrologic area has no existing or potential beneficial uses and has been exempted from municipal use designation by the Regional Board under the terms and conditions of State Board Resolution No. 88-63, *Sources of Drinking Water Policy*. Prior to drilling, the depth to shallow groundwater at the Site was estimated to be approximately 40 feet bgs.

According to Hart, the results of the investigations performed at the Site indicated that petroleum hydrocarbons had not migrated to groundwater, which appeared to be at depths of greater than 70 feet bgs (obvious indications of groundwater were not reported to be present in boring BS-5).

Groundwater monitoring well MW2 was completed to a depth of 52 feet bgs and screened from 32 to 52 feet bgs. No groundwater was observed in MW2 during its initial construction and subsequent gauging events up to several weeks later.

On October 1, 2007, groundwater was encountered in MW1 through MW3 at depths ranging from 38.70 feet to 43.29 feet below grade (Table 3 and Figure 6).

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4 *Soil Boring Investigation Report, Flight International* prepared by Fred C. Hart & Associates (Hart), dated April 25, 1989.

Groundwater elevations were calculated in all wells based on the surveyed top of the well casing elevations and the measured depth to groundwater in the wells (Table 3). Approximate contours of the shallow groundwater surface elevations were then plotted and a groundwater gradient was estimated (Figure 6). The groundwater gradient is interpreted to incline in a generally southwest direction, with a magnitude of 0.08 foot/foot (ft/ft).

Laboratory Analytical Results

Soil Samples

A summary of the soil sampling results is presented in Figures 4 and 5, and Tables 1 and 2. The laboratory reports and chains of custody are included in the Appendix.

Total Petroleum Hydrocarbons

TPHg was reported in two of seven soil samples collected from MW1 and four of seven samples collected from MW3. Concentrations of TPHg were reported from 15 to 1,600 mg/kg.

TPHd was reported in one of seven soil samples collected from MW1 and four of seven samples collected from MW3. Concentrations of TPHd were reported from 90 to 940 mg/kg.

No detectable concentrations of TPHg or TPHd were reported in the soil samples collected and analyzed from borings MW2 and SCSB5.

BTEX

Selected soil samples were submitted to an off-Site laboratory and analyzed for BTEX compounds in general accordance with EPA Method 8260B (Table 2).

Concentrations of BTEX were reported as follows: toluene was reported at concentration of 5,200 µg/kg (MW1-40); ethylbenzene was reported at a concentration of 190 µg/kg (MW3-30); total xylenes were reported at a concentration of 430 µg/kg (MW1-40). Benzene was not reported above the laboratory reporting limits in any of the soil samples analyzed for VOCs.

No detectable concentrations of BTEX compounds were reported in the soil samples collected and analyzed from MW2-40 and SCSB5-30.

Naphthalene

Naphthalene was reported at a concentration of 200 µg/kg in soil sample MW1-40. No detectable concentrations of naphthalene were reported in the soil samples collected and analyzed from MW2-40, MW3-30, and SCSB5-30.

Groundwater Samples

A summary of the groundwater sampling results for the October 2007 event is presented in Figure 7 and Table 4. The laboratory reports and chain-of-custody forms are included in the Appendix.

Total Petroleum Hydrocarbons

TPHg

Detectable concentrations of TPHg were reported in two of the three groundwater samples collected from the monitoring well network in October 2007. Reported concentrations of TPHg were 1,400 micrograms per liter (µg/L) in the sample collected from MW3 and 9,300 µg/L in the sample collected from MW1.

TPHd

Detectable concentrations of TPHd were not reported in any of the three groundwater samples collected from the monitoring well network in October 2007.

BTEX

Benzene was reported at concentrations of 21 µg/L (MW3) to 24 µg/L (MW1). Toluene was reported at concentrations ranging from 390 µg/L (MW3) to 8,200 µg/L (MW1). Ethylbenzene was reported at concentrations of 20 µg/L (MW1) to 41 µg/L (MW3). Total xylenes were reported at concentrations of 13.7 µg/L (MW3) to 104 µg/L (MW1). No concentrations of BTEX were reported above the laboratory reporting limit in the groundwater sample collected from MW2.

MTBE, ETBE, DIPE, TAME, and TBA

MTBE was reported at a concentrations of 10 µg/L in groundwater sample collected from MW3. TBA was reported a concentration of 650 µg/L in the groundwater sampled collected from MW3. MTBE, ETBE, DIPE, TAME, and TBA were not reported at concentrations above the laboratory reporting limit in the groundwater samples collected from MW1 or MW2.

Naphthalene

Naphthalene was reported at concentrations of 5 µg/L (MW3) to 37 µg/L (MW1). Naphthalene was not reported at concentrations above the laboratory reporting limit in the groundwater samples collected from MW2.

Delineation of Petroleum Hydrocarbon-Bearing Soil

Interpreted Vertical Extent of Petroleum Hydrocarbon-Bearing Soil in the Vicinity of the USTs

Based on the analytical results for soil samples from borings MW1, MW3, SCSB5, BS-5, and AHC-B1 we judge that the vertical extent of petroleum hydrocarbon-bearing soil in the vicinity of the former USTs has been assessed (Figures 4, 8, and 9). The principal source area of petroleum hydrocarbons in soil at the Site is at the location of the UST tank pit (BS-5, SCSB2, and AHC-B1). Detectable concentrations of petroleum hydrocarbons in soil are interpreted to extend to a maximum depth of approximately 60 feet bgs directly below the UST tank pit. In general, the petroleum hydrocarbons have migrated vertically downward through the vadose zone and significant concentrations (>100 mg/kg) are not reported to be present in samples collected deeper than 40 feet bgs. It appears that the vertical migration of the petroleum hydrocarbons has been limited by a dense silt that extends from approximately 30 feet bgs to at least 70 feet bgs beneath the Site. This hypothesis is corroborated by soil sampling results from the current and previous investigations.

Interpreted Horizontal Extent of Petroleum Hydrocarbon-Bearing Soil in the Vicinity of the Former UST

Based on the analytical results for soil samples SCSB5 and MW2, we judge that the horizontal extent of petroleum hydrocarbon-bearing soil in the vicinity of the UST has been assessed (Figure 4) to the north, east, and south (borings SCSB5, SCSB1, MW2, and MW1). As mentioned above, the principal source areas of petroleum hydrocarbons in groundwater at the Site are at the location of the UST tank pit. The horizontal extent of petroleum hydrocarbon-bearing soil to the west has not been fully delineated; however, we believe a reasonable inference can be made for the available data (see Figures 4 and 9). In addition further drilling to the west would likely be into buried trash of the Palomar Airport Landfill.

Interpreted Volume of Petroleum Hydrocarbon-Bearing Soil

The volume of petroleum hydrocarbon-bearing soil in the vicinity of the former USTs was estimated by calculating the volume of soil generally bounded by the soil borings MW3, MW1, SCSB4, BS-5, and AHC-B1 and the approximate eastern extent of the USTs pit (approximately 2,100 square feet [Figure 4]), and the depth of petroleum hydrocarbon-bearing soil observed in the soil borings beneath the former UST locations, where reported detectable concentrations of petroleum hydrocarbons were present in the vertical plane extending 40 feet bgs.

Volume of petroleum hydrocarbon-bearing soil in the vicinity of the USTs = estimated volume of petroleum hydrocarbon-bearing soil in the vicinity of the dispenser islands (2,100 square feet x 40 feet deep in the vicinity of the UST tank pit).

= 84,000 cubic feet

≈ 3,111 cubic yards

Exposure Concerns

Based on our current understanding, there are only two potentially complete exposure pathways associated with petroleum hydrocarbons in soil: inhalation due to vapor migration and migration to groundwater. Because the area of petroleum hydrocarbon-bearing soil in the vicinity of the USTs is covered by concrete paving, we judge that there are no complete pathways for direct dermal contact with, or ingestion of, petroleum hydrocarbon-bearing soil.

- *Inhalation of Vapors*

  As previously stated, gasoline-range petroleum hydrocarbons have been reported at the Site during previous investigations. Although soil vapor sampling and a formal human health risk assessment were not performed, we are of the opinion that there is a low likelihood that an unacceptable human health risk[5] exists due to inhalation of vapors migrating upward from the

5 This assumes that the soil will not be disturbed or removed, which may require special health and safety precautions. A qualified health and safety professional should be contacted prior to excavation into or contact with petroleum hydrocarbon-bearing soil. In addition, if an occupied structure is to be built in the vicinity of the fuel farm, a soil vapor survey and risk assessment are recommend.

petroleum hydrocarbon-bearing soil in the vicinity of the USTs at the Site. This judgement is based on the available data that the petroleum hydrocarbon-bearing soil is located in an open area and not directly beneath any of the Site buildings. In addition, with in the Site vicinity there are no occupied structures downgradient. If vapors migrate to the surface, they would be diluted by the ambient air.

Delineation of Petroleum Hydrocarbon-Impacted Groundwater

Based on the analytical results of the groundwater samples collected from MW1, MW2, and MW3, shallow groundwater at the Site is interpreted to be impacted from the petroleum hydrocarbon-bearing soil in the vicinity of the former USTs at the Site. No PSH was observed in any of the wells during the October 2007 sampling event. The petroleum hydrocarbon-bearing groundwater appears to extend downgradient from the former location of the USTs and has not been completely assessed by the existing wells.

Based on the data obtained during the groundwater sampling and analysis of the three wells, the extent of dissolved TPHg and BTEX has been partially delineated. Additional assessment to the west of the MW3 and south of MW1 might normally be necessary to complete delineation of the dissolved TPHg and BTEX, however, any additional wells to the west of MW3 and south of MW1 would likely have to be placed within solid waste and constructed with screened interval across trash debris in-place in order to intercept shallow groundwater. We question whether these wells, under these conditions, would produce any reliable and usable data. In addition, any groundwater well constructed inside the landfill boundary may put the integrity of the landfill cover system at risk and create a preferential pathway for the migration of water of CoCs within the landfill.

We also note that occupied structures are not located downgradient of the release. So while the extent of the plume may not be fully delineated, it is highly unlikely that the plume has resulted in vapor migration/intrusion given the lack of occupied structures.

If wells are to be placed beyond the landfill, because of the steep slope related to the Palomar landfill directly south of the Site, any additional groundwater wells for the Site would need to placed at a minimum of approximately 160 feet south by southwest of MW1 (Figure 10). Monitoring well MW-12 of Area 2 of the Palomar Airport Landfill is already located approximately 240 feet south by southwest of MW1 and may be incorporated into the delineation of the petroleum hydrocarbon release from the USTs as it is located down- to cross-gradient from the UST tank farm.

The Site is located in a non-beneficial use groundwater basin that has no existing or potential beneficial uses and has been exempted from municipal use designation. PSH was not identified in any of the wells during the gauging or sampling. Therefore, based on the available data, applicable water quality objectives have not been exceeded and free product has not been detected nor created a nuisance.

Compliance with Regulatory Requirements

In California, the Porter-Cologne Water Quality Control Act (Act) (Water Code Section 13000 et. seq) establishes the regulatory framework for water pollution control. The Act establishes that the waters of the state are governed by the State Water Resources Control Board (SWRCB), a division of the California Environmental Protection Agency (CAL-EPA), and the nine Regional Water Quality Control Boards (RWQCBs). The federal Clean Water Act and Porter-Cologne require that the RWQCBs adopt a water quality control plan (Basin Plan) to guide and coordinate the management of water quality in each region including surface and ground waters. The purpose of the Basin Plan include: 1) designate beneficial uses of the region's surface and ground waters; 2) designate the water quality objectives for the reasonable protection of those uses; and 3) establish an implementation plan to achieve the objectives. For Region 9 (San Diego), this plan is known as the "*Comprehensive Water Quality Control Plan for the San Diego Basin*" (Basin Plan).

The Basin Plan, page 10 of Chapter 2, states "The Regional Board has deleted beneficial use designations in portions of certain hydrologic ground water units, areas, or subareas. Available information indicated that the beneficial uses in portions of these hydrologicground water basins did not occur and were not likely to occur in the future."

According to the Basin Plan, the Site is located in the Encinas hydrologic area of the Carlsbad hydrologic unit (904.40). This can be verified by viewing the Basin Plan Area Map. Page 53 of Chapter 2 of the Basin Plan identifies the basin as having no existing or potential beneficial uses and as being exempt from municipal uses. Therefore, the maximum contaminant levels (MCLs) for drinking water or other common water quality objectives are not judged to be applicable to the groundwater at the Site. In other words, water quality based ground water cleanup standards, in our opinion do not apply because there are no beneficial uses to protect.

Furthermore, the designation of a ground water basin as not having existing or potential beneficial uses also means that the groundwater within this hydrologic area is not suitable as a source of drinking water, as required by the "Sources of Drinking Water" policy.

In our view, because no beneficial uses for the groundwater in this portion of the basin affected by the discharge of waste have been identified, the discharge of petroleum hydrocarbon (waste) to the groundwater in this portion of the basin cannot constitute a condition of "pollution" as that term is defined the California Water Code. It is the condition of "pollution" that Section 13304 of the California State Water Code that authorizes the Regional Board order any person who causes or permits the waste discharge to cleanup or abate the effects of the waste.

Because the Site is located in a Hydrologic Area without any potential beneficial uses, water quality objectives such as MCLs are judged not to be applicable and the waters are judged highly unlikely to be considered "high quality" with the meaning of State Board Resolution 68-16. Therefore, several additional threshold criteria must be met before a determination of "no further action" is made. Following each condition is an assessment of the likelihood that the condition exists at the Site.

- The California Code of Regulations, Title 23, Division 3, Chapter 16, Section 2655 mandates that free-phase product be removed to the extent practicable.

  PSH was not identified in any of the wells during the gauging or sampling at the Site.

- A potential human health risk occurs at the Site as a result of the release of constituents of concern (CoCs) to the ground water.

  As referenced previously, based on the available data that the petroleum hydrocarbon-bearing soil is located in an open area and not directly beneath any occupied buildings. In addition, with in the Site vicinity there are no occupied structures downgradient. If vapors migrate to the surface, they would be diluted by the ambient air.

- The CoCs present in the groundwater could migrate and be discharged to surface waters.

  There is a very low likelihood of migration to the nearest surface water (Las Encinas Creek located more than 3,500 feet away) due to the distance from the Site to the surface water. The RWQCB has a written policy of not being concerned with this issue unless the San Diego Bay is within 1,500 feet of the release.

- If there is a potential that impacts to subsurface utilities be the result of CoCs in the ground water.

There is a very low likelihood of impacts to subsurface utilities due to the depth to the ground water at approximately 39 feet below grade.

CONCLUSIONS

Based on the data obtained and reviewed as part of this investigation, laboratory results, and current regulatory guidelines, it is our professional opinion that:

- The vertical extent of petroleum hydrocarbon-bearing soil in the vicinity of the former underground storage tanks (USTs) at the Site has been assessed.

- The northern, eastern, and southern horizontal extent of petroleum hydrocarbon-bearing soil in the vicinity of the USTs at the Site has been assessed. The western extent of petroleum hydrocarbon-bearing soil has been inferred.

- There is a low likelihood that an unacceptable human health risk exists at the Site in relation to the residual petroleum hydrocarbon-bearing soil.

- Groundwater was encountered in MW1 through MW3 at depths ranging from 38.07 feet to 43.29 feet below grade. The groundwater gradient is interpreted to incline in a generally southwest direction, with a magnitude of 0.08 foot/foot (ft/ft).

- Phase-separated hydrocarbons (PSH) (i.e., "free product") were not observed in any of the Site monitoring wells during the current sampling event.

- Detectable concentrations of TPHg were reported in two of the three groundwater samples collected from the monitoring well network in October 2007. Reported concentrations of TPHg were 1,400 micrograms per liter (µg/L) in the sample collected from MW3 and 9,300 µg/L in the sample collected from MW1.

- Detectable concentrations of TPHd were not reported in any of the three groundwater samples collected from the monitoring well network in October 2007.

- Benzene was reported at concentrations of 21 µg/L (MW3) to 24 µg/L (MW1). Toluene was reported at concentrations ranging from 390 µg/L (MW3) to 8,200 µg/L (MW1). Ethylbenzene was reported at concentrations of 20 µg/L (MW1) to 41 µg/L (MW3). Total xylenes were reported at concentrations of 13.7 µg/L (MW3) to 104 µg/L (MW1). No concentrations

of BTEX were reported above the laboratory reporting limit in the groundwater sample collected from MW2.

- MTBE was reported at a concentrations of 10 µg/L in groundwater sample collected from MW3. TBA was reported a concentration of 650 µg/L in the groundwater sampled collected from MW3. MTBE, ETBE, DIPE, TAME, and TBA were not reported at concentrations above the laboratory reporting limit in the groundwater samples collected from MW1 or MW2.

- The Site is located in a non-beneficial use groundwater basin that has no existing or potential beneficial uses and has been exempted from municipal use designation. PSH was not identified in any of the wells during the gauging or sampling. Therefore, based on the available data, applicable water quality objectives have not been exceeded and free product has not been detected nor created a nuisance.

RECOMMENDATIONS

Based on the data obtained during this Assessment and our conclusions, we recommend the following:

- If PSH is not detected in on-Site wells during the monitoring and sampling events over the next six months, that the Regional Water Quality Control Board consider not requiring any further action to assess or mitigate the petroleum hydrocarbon-bearing soil and groundwater in the vicinity of the USTs at the Site.

If we can be of further assistance, or if you have any questions regarding the above scope of work, please contact one of the undersigned at (858) 571-5500.

Respectfully,
SCS ENGINEERS

Tom Wright, P.G. 7972
Project Professional

Robert Q. Gutzler, PhD, P.G. 5571
Senior Project Professional

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Vice President

Enclosures

cc with enclosures: Kelly Dorsey, RWQCB
Wayne Rosenbaum, Foley & Lardner, LLP

TW
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TABLES

Table 1 - Soil Sample Analytical Results of Total Petroleum Hydrocarbons
Table 2 - Soil Sample Analytical Results of Volatile Organic Compounds
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Figure 10 - Site Vicinity Groundwater Wells

APPENDICES

DEH Correspondence
SD County DPW Correspondence
DEH Boring Permit
Boring Logs
Well Completion Log
Groundwater Purging and Sampling Logs
Non-Hazardous Waste Disposal Manifest
Analytical Data and Chain-of-Custody Documentation

REPORT USAGE AND FUTURE SITE CONDITIONS

This Report is intended for the sole usage of the Client and the parties designated by SCS. Use of this Report is subject to the provisions of the fully executed Contract between the Client and SCS. Any third party usage of this Report shall be subject to the provisions of the Contract and any unauthorized misuse of or reliance upon the Report shall be without risk or liability to SCS.

The conclusions of this Report are judged to be relevant at the time the work described in this Report was conducted. Future conditions may differ and this Report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of Phase II environmental assessments in San Diego County is consulted to assess the necessity of updating this Report.

Although this Assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons which include, but are not limited to: 1) our reliance on inadequate or inaccurate information rightfully provided to us by third parties, such as public agencies and other outside sources; 2) the limited scope of this Assessment; and 3) the presence of undetected, unknown, or unreported environmental releases.

LIKELIHOOD STATEMENTS

Statements of "likelihood" have been made in this report. Likelihood statements are based on professional judgments of SCS. The term "likelihood," as used herein, pertains to the probability of a match between the prediction for an event and its actual occurrence. The likelihood statement assigns a measure for a "degree of belief" for the match between the prediction for the event and the actual occurrence of the event.

The likelihood statements in this Report are made qualitatively (expressed in words). The qualitative terms can be approximately related to quantitative percentages. The term "low likelihood" is used by SCS to approximate a percentage range of 10 to 20 percent; the term "moderate likelihood" refers to an approximate percentage range of 40 to 60 percent; and the term "high likelihood" refers to an approximate percentage range of 80 to 90 percent.

TABLES

Table 1
Soil Sample Analytical Results of Total Petroleum Hydrocarbons
Western Flight
2100 Palomar Airport Road, Carlsbad, California

Sample Number	Soil Boring	Depth (Feet below grade)	TPHg (mg/kg)	TPHd (mg/kg)
MW1-25	MW1	25	<10	<10
MW1-30		30	**15**	<10
MW1-35		35	<10	<10
MW1-40		40	**95**	**90**
MW1-45		45	<10	<10
MW1-50		50	<10	<10
MW1-55		55	<10	<10
MW2-20	MW2	20	<10	<10
MW2-25		25	<10	<10
MW2-30		30	<10	<10
MW2-35		35	<10	<10
MW2-40		40	<10	<10
MW2-45		45	<10	<10
MW2-50		50	<10	<10
MW3-25	MW3	25	**240**	**430**
MW3-30		30	**1,600**	**700**
MW3-35		35	**1,400**	**940**
MW3-40		40	**240**	**340**
MW3-45		45	<10	<10
MW3-50		50	<10	<10
MW3-55		55	<10	<10
SCSB5-20	SCSB5	20	<10	<10
SCSB5-25		25	<10	<10
SCSB5-30		30	<10	<10
SCSB5-35		35	<10	<10
SCSB5-40		40	<10	<10
SCSB5-45		45	<10	<10
SCSB5-50		50	<10	<10
SCSB5-55		55	<10	<10

Notes:

Samples collected by SCS Engineers in March and September 2007.

Concentrations reported in milligrams per kilogram (mg/kg).

TPHg = Total petroleum hydrocarbons - gasoline range, in general accordance with DHS LUFT Method.

TPHd = Total petroleum hydrocarbons - diesel range, in general accordance with DHS LUFT Method.

< indicates the reported concentration was not above the laboratory reporting limit for the relevant analytical method.

The TPH chromatograms were scanned for Aviation Fuel and Jet Fuel, and neither were interpreted to be present in the submitted samples.

Table 2
Soil Sample Analytical Results of Volatile Organic Compounds
Western Flight
2100 Palomar Airport Road, Carlsbad, California

Sample Number	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Total Xylenes (µg/kg)	Naphthalene (µg/kg)
MW1-40	<100	**5,200**	<100	**430**	**200**
MW2-40	<5	<5	<5	<15	<5
MW3-30	<100	<100	**190**	<300	<100
SCSB5-30	<5	<5	<5	<15	<5

Notes:

Samples collected by SCS Engineers in March and September 2007.

Concentrations reported in micrograms per kilogram (µg/kg).

Soil samples analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) and naphthalene in general accordance with EPA Method 8260B.

< indicates the reported concentration was not above the laboratory reporting limit for the relevant analytical method.

Table 3
Groundwater Elevation Data
Western Flight
2100 Palomar Airport Road, Carlsbad, California

Monitor Well Number	Date Measured	Screened Interval (feet)	TOC Elevation (feet)	Total Depth of Well (in feet)	Depth to Product (in feet)	Depth to Water (in feet)	Product Elevation (thickness)	GW Elevation (feet)
MW1	10/1/2007	32-52	318.01	52.00	NM	43.29	--	274.72
MW2	3/16/2007	32-52	318.08	52.00	NM	Dry	--	--
	3/23/2007				NM	Dry	--	--
	9/26/2007				NM	39.02	--	279.06
	10/1/2007				NM	38.70	--	279.38
MW3	10/1/2007	32-52	318.18	52.00	NM	41.07	--	277.11

Notes:

Data collected by SCS Engineers.

Depth to Water = Depth to groundwater as measured in the well in feet below TOC.

TOC Elevation = Elevation of the Top of Casing in feet above mean sea level.

GW Elevation = Elevation of groundwater as measured in well in feet above mean sea level.

NM = none measured

Table 4
Groundwater Analytical Data
Western Flight
2100 Palomar Airport Road, Carlsbad, California

Monitor Well Number	Date Sampled	Units	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	Naphthalene
MW1	10/1/2007	µg/L	**9,300**	<500	**24**	**8,200**	**20**	**104**	<1	<5	**37**
MW2	10/1/2007	µg/L	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<5	<1
MW3	10/1/2007	µg/L	**1,400**	<500	**21**	**390**	**20**	**13.7**	**10**	**650**	**5.0**

Notes:

Groundwater samples analyzed for benzene, toluene, ethylbenzene, total xylenes, and naphthalene as well as the following oxygenates: methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), tertiary amyl methyl ether (TAME), ethyl tertiary butyl ether (ETBE), and tertiary butyl alcohol (TBA), in general accordance with EPA Method 8260B.

TPHg = Total petroleum hydrocarbons, gasoline range (C5 to C11 based on lab report).

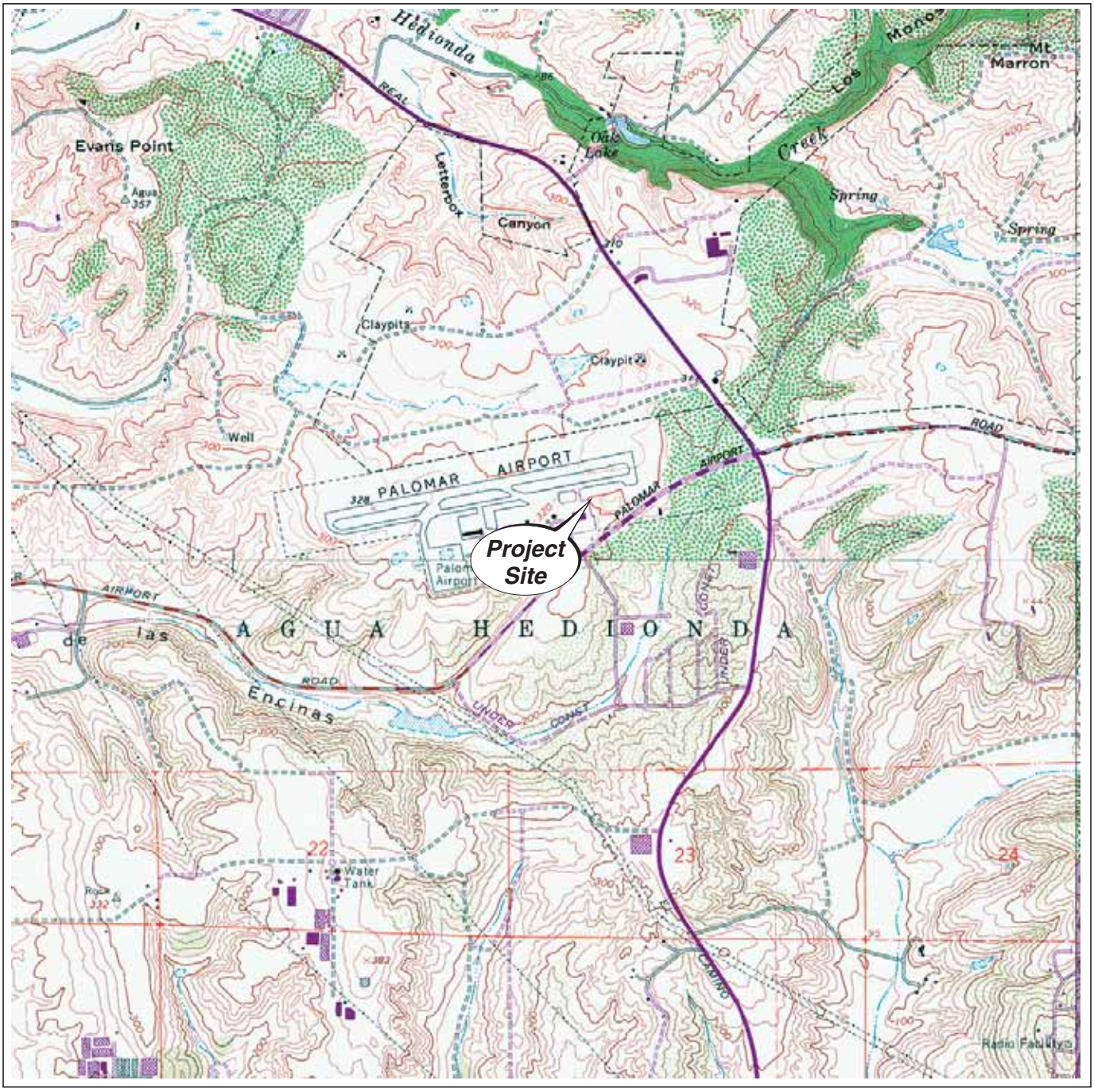
TPHd = Total petroleum hydrocarbons, diesel range (C12 to C24 based on lab report).

TPHg and TPHd analyzed in general accordance with California Department of Health Services LUFT Method.

< = Concentration is less than the indicated laboratory detection limit for that sample.

Concentrations reported in micrograms per liter (µg/L).

FIGURES



Reference:
U.S.G.S. 7.5 Minute Quadrangle map
Carlsbad, California" - 1977. Photorevised 1982.

0 1000 2000 3000
Approximate Graphic Scale in Feet

North

Disclaimer: This figure is an interpretation based on available data.
Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

SITE LOCATION MAP

Western Flight
2100 Palomar Airport Road
Carlsbad, California

Project No.: 01205558.02

Figure 2

Date Drafted: 6/11/07



Disclaimer: This figure is an interpretation based on available data.
Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

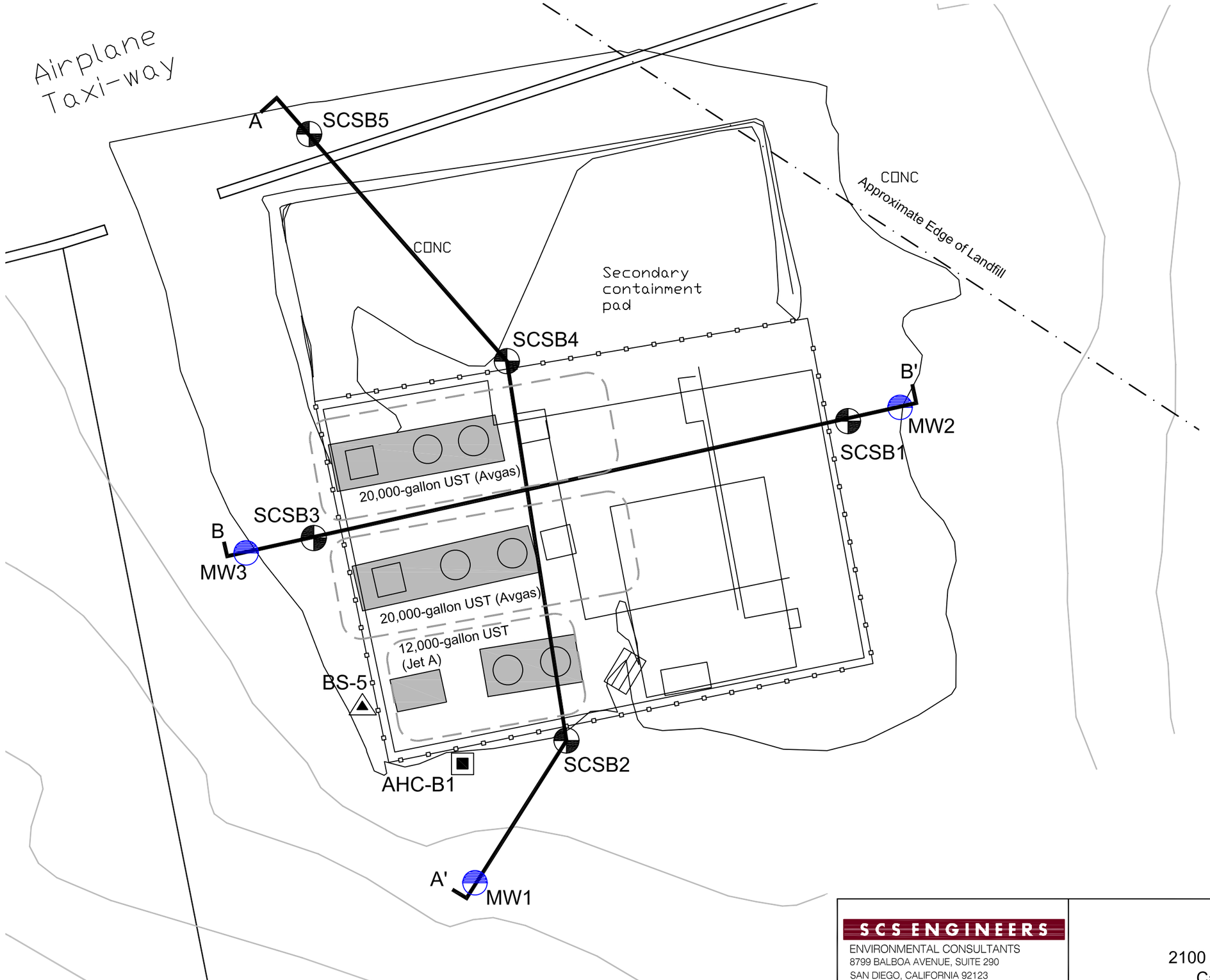
REGIONAL SITE VICINITY

Western Flight
2100 Palomar Airport Road
Carlsbad, California

Project No.: 01205558.02

Figure 1

Date Drafted: 6/11/07



EXPLANATION

- MW2 — Groundwater monitoring well location.
- SCSB5 — Soil Boring completed by SCS Engineers (SCS) [2006 & 2007].
- BS-5 — Soil Boring installed by Hart and Associates (HART) [1989].
- AHC-B1 — Soil Boring completed by Applied Hydrogeologic Consultants (AHC) [1988].
- Fence
- B — B' — Cross-Section location
- Underground storage tank

APPROXIMATE SCALE IN FEET

10 0 10

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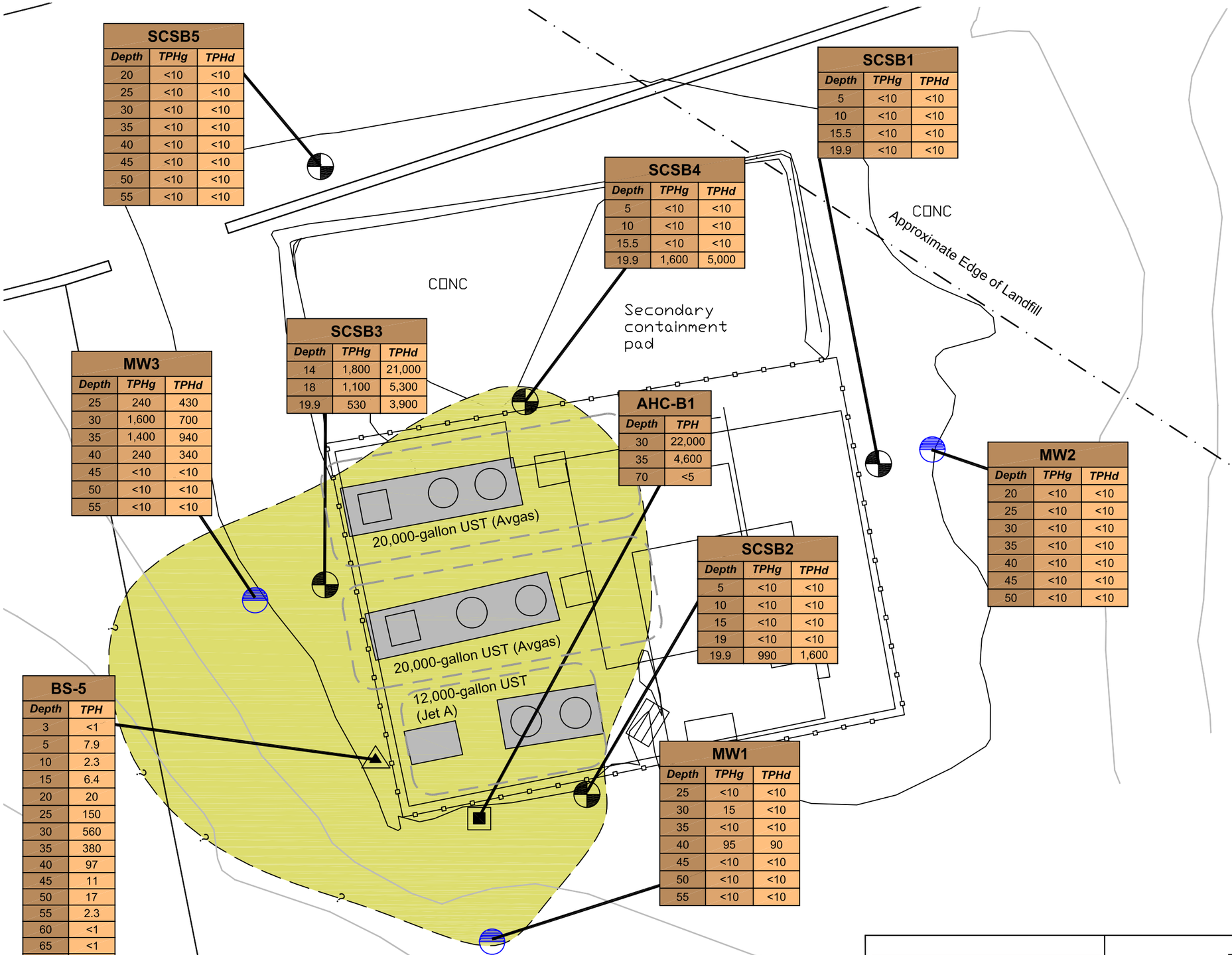
SAN DIEGO, CALIFORNIA 92123

SITE PLAN
Western Flight
2100 Palomar Airport Road
Carlsbad, California

Project No.: 01205558.02

Figure 3

Date Drafted: 4/26/07



EXPLANATION

MW2 — Groundwater monitoring well location.

SCSB5 — Soil Boring completed by SCS Engineers (SCS) [2006 & 2007].

BS-5 — Soil Boring installed by Hart and Associates (HART) [1989].

AHC-B1 — Soil Boring completed by Applied Hydrogeologic Consultants (AHC) [1988].

MW2		
Depth	TPHg	TPHd
20	<10	<10
25	<10	<10
30	<10	<10
35	<10	<10
40	<10	<10
45	<10	<10
50	<10	<10

Soil samples SCSB1 through SCSB5, and MW1 through MW3 analyzed for total petroleum hydrocarbons as gasoline and diesel (TPHg/TPHd) in general accordance with DHS LUFT Method. < indicates the reported concentration was not above the laboratory reporting limit for the relevant analytical method. Results reported in milligrams per kilogram (mg/kg).

Samples SCSB1 through SCSB4 collected in February 2006, samples SCSB5 and MW2 collected in March 2007, and samples MW1 and MW3 collected in September 2007 by SCS Engineers. Sample AHC-B1 collected by AHC (1988). Sample BS-5 collected by HART (1989) and reportedly analyzed for TPH in general accordance with EPA Method 8015.

Approximate extent of petroleum hydrocarbon-bearing soil. Extent dashed where approximate, queried where inferred. Petroleum hydrocarbon-bearing soil horizontal extent has been estimated to be approximately 2,100 square feet.

Fence

Underground storage tank

APPROXIMATE SCALE IN FEET

10 0 10

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8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CALIFORNIA 92123

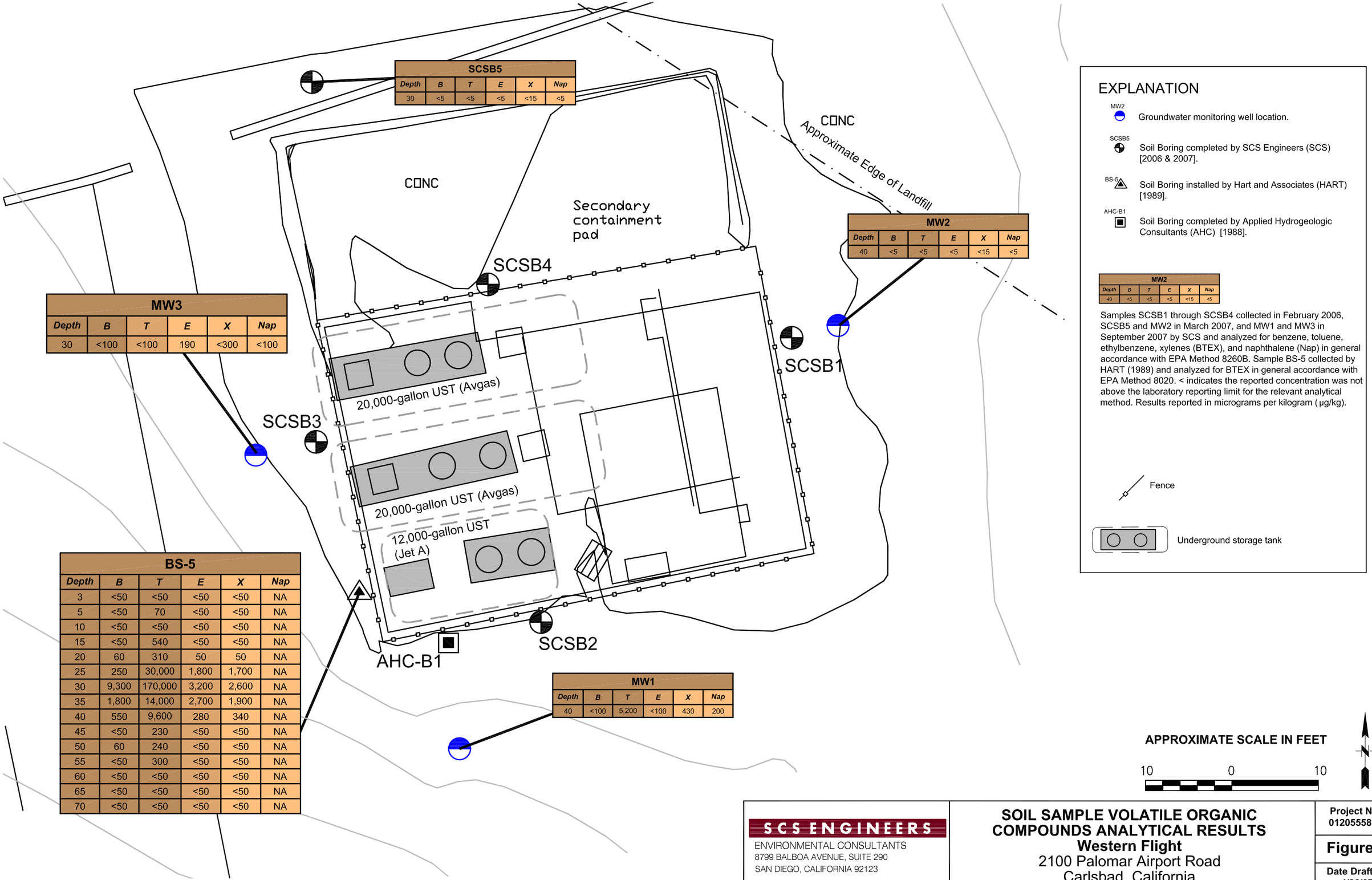
TOTAL PETROLEUM HYDROCARBONS ANALYTICAL RESULTS

2100 Palomar Airport Road
Carlsbad, California

Project No.: 01205558.02

Figure 4

Date Drafted: 4/26/07



SCSB5						
Depth	B	T	E	X	Nap
30	<5	<5	<5	<15	<5

MW2						
Depth	B	T	E	X	Nap
40	<5	<5	<5	<15	<5

MW3						
Depth	B	T	E	X	Nap
30	<100	<100	190	<300	<100

BS-5					
Depth	B	T	E	X	Nap
3	<50	<50	<50	<50	NA
5	<50	70	<50	<50	NA
10	<50	<50	<50	<50	NA
15	<50	540	<50	<50	NA
20	60	310	50	50	NA
25	250	30,000	1,800	1,700	NA
30	9,300	170,000	3,200	2,600	NA
35	1,800	14,000	2,700	1,900	NA
40	550	9,600	280	340	NA
45	<50	230	<50	<50	NA
50	60	240	<50	<50	NA
55	<50	300	<50	<50	NA
60	<50	<50	<50	<50	NA
65	<50	<50	<50	<50	NA
70	<50	<50	<50	<50	NA

MW1					
Depth	B	T	E	X	Nap
40	<100	5,200	<100	430	200

EXPLANATION

MW2 — Groundwater monitoring well location.

SCSB5 — Soil Boring completed by SCS Engineers (SCS) [2006 & 2007].

BS-5 — Soil Boring installed by Hart and Associates (HART) [1989].

AHC-B1 — Soil Boring completed by Applied Hydrogeologic Consultants (AHC) [1988].

MW2					
Depth	B	T	E	X	Nap
40	<5	<5	<5	<15	<5

Samples SCSB1 through SCSB4 collected in February 2006, SCSB5 and MW2 in March 2007, and MW1 and MW3 in September 2007 by SCS and analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), and naphthalene (Nap) in general accordance with EPA Method 8260B. Sample BS-5 collected by HART (1989) and analyzed for BTEX in general accordance with EPA Method 8020. < indicates the reported concentration was not above the laboratory reporting limit for the relevant analytical method. Results reported in micrograms per kilogram (µg/kg).

Fence

Underground storage tank

APPROXIMATE SCALE IN FEET

10 0 10

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8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CALIFORNIA 92123

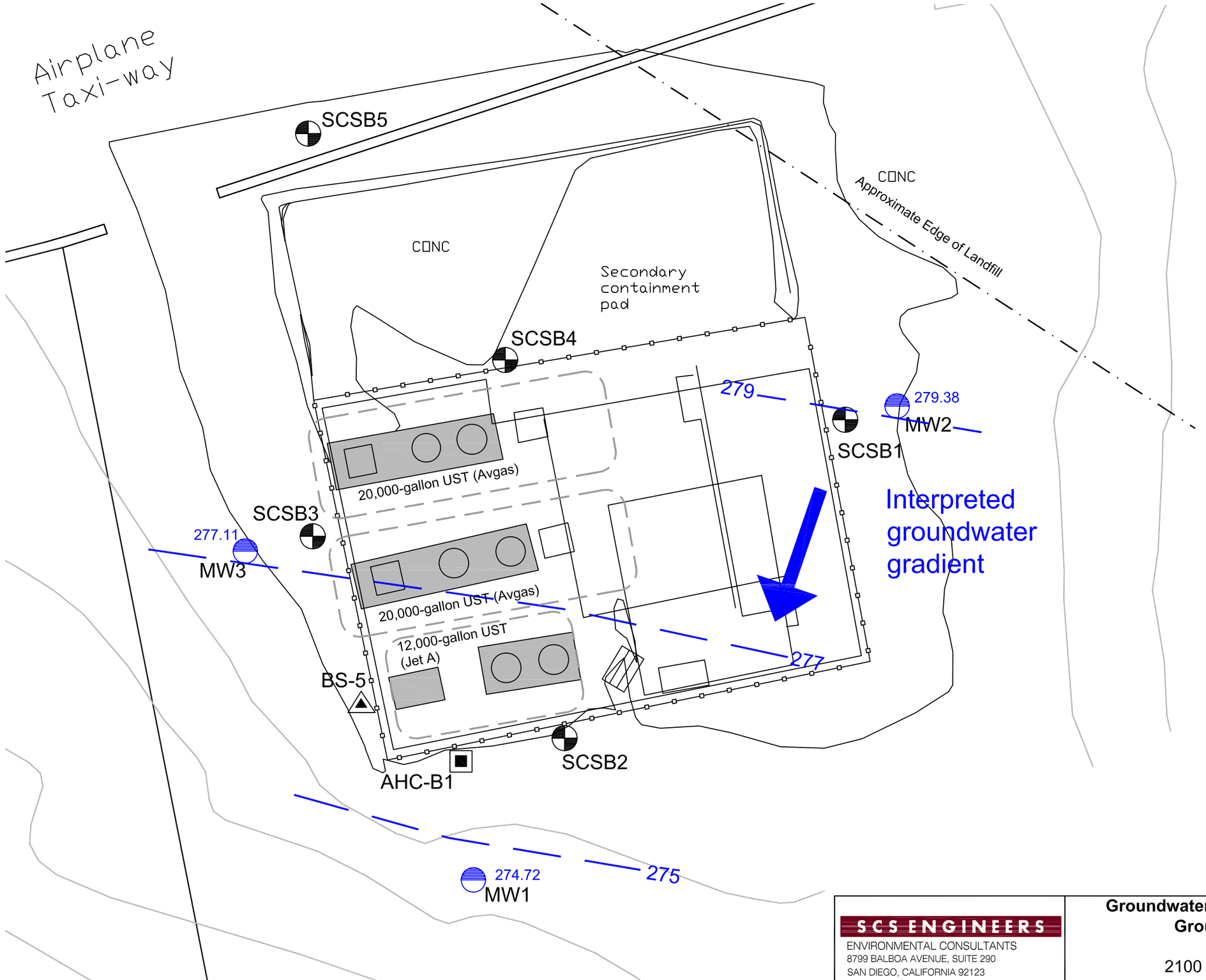
SOIL SAMPLE VOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS

Western Flight
2100 Palomar Airport Road
Carlsbad, California

Project No.: 01205558.02

Figure 5

Date Drafted: 4/26/07



EXPLANATION

- MW2 — Groundwater monitoring well location.
- SCSB5 — Soil Boring completed by SCS Engineers (SCS) [2006 & 2007].
- BS-5 — Soil Boring installed by Hart and Associates (HART) [1989].
- AHC-B1 — Soil Boring completed by Applied Hydrogeologic Consultants (AHC) [1988].
- Fence
- Underground storage tank
- 297' — Groundwater elevation contours interpreted from observations made on October 1, 2007, given in feet above MSL.

APPROXIMATE SCALE IN FEET

10 0 10

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CALIFORNIA 92123

Groundwater Elevations and Intrepreted Groundwater Contours
Western Flight
2100 Palomar Airport Road
Carlsbad, California

Project No.: 01205558.02

Figure 6

Date Drafted: 4/26/07

CONC

CONC

Approximate Edge of Landfill

Secondary containment pad

MW2								
Date	TPHg	TPHd	B	T	E	X	Nap	MTBE
10/07	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<1

SCSB4

SCSB1

20,000-gallon UST (Avgas)

SCSB3

20,000-gallon UST (Avgas)

12,000-gallon UST (Jet A)

BS-5

SCSB2

AHC-B1

MW3								
Date	TPHg	TPHd	B	T	E	X	Nap	MTBE
10/07	1,400	<500	21	390	20	13.7	5.0	10

MW1								
Date	TPHg	TPHd	B	T	E	X	Nap	MTBE
10/07	9,300	<500	24	8,200	20	104	37	<1

EXPLANATION

MW2 — Groundwater monitoring well location.

SCSB5 — Soil Boring completed by SCS Engineers (SCS) [2006 & 2007].

BS-5 — Soil Boring installed by Hart and Associates (HART) [1989].

AHC-B1 — Soil Boring completed by Applied Hydrogeologic Consultants (AHC) [1988].

MW2								
Date	TPHg	TPHd	B	T	E	X	Nap	MTBE
10/07	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<1

Samples analyzed total petroleum hydrocarbons (TPH) via CA DHS LUFT Method and for benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tertiary butyl ether (MTBE), and naphthalene (Nap) in general accordance with EPA Method 8260B. < indicates the reported concentration was not above the laboratory reporting limit for the relevant analytical method. Results given in concentrations of micrograms per liter (ug/L).

Underground storage tank

Fence

APPROXIMATE SCALE IN FEET

10 0 10

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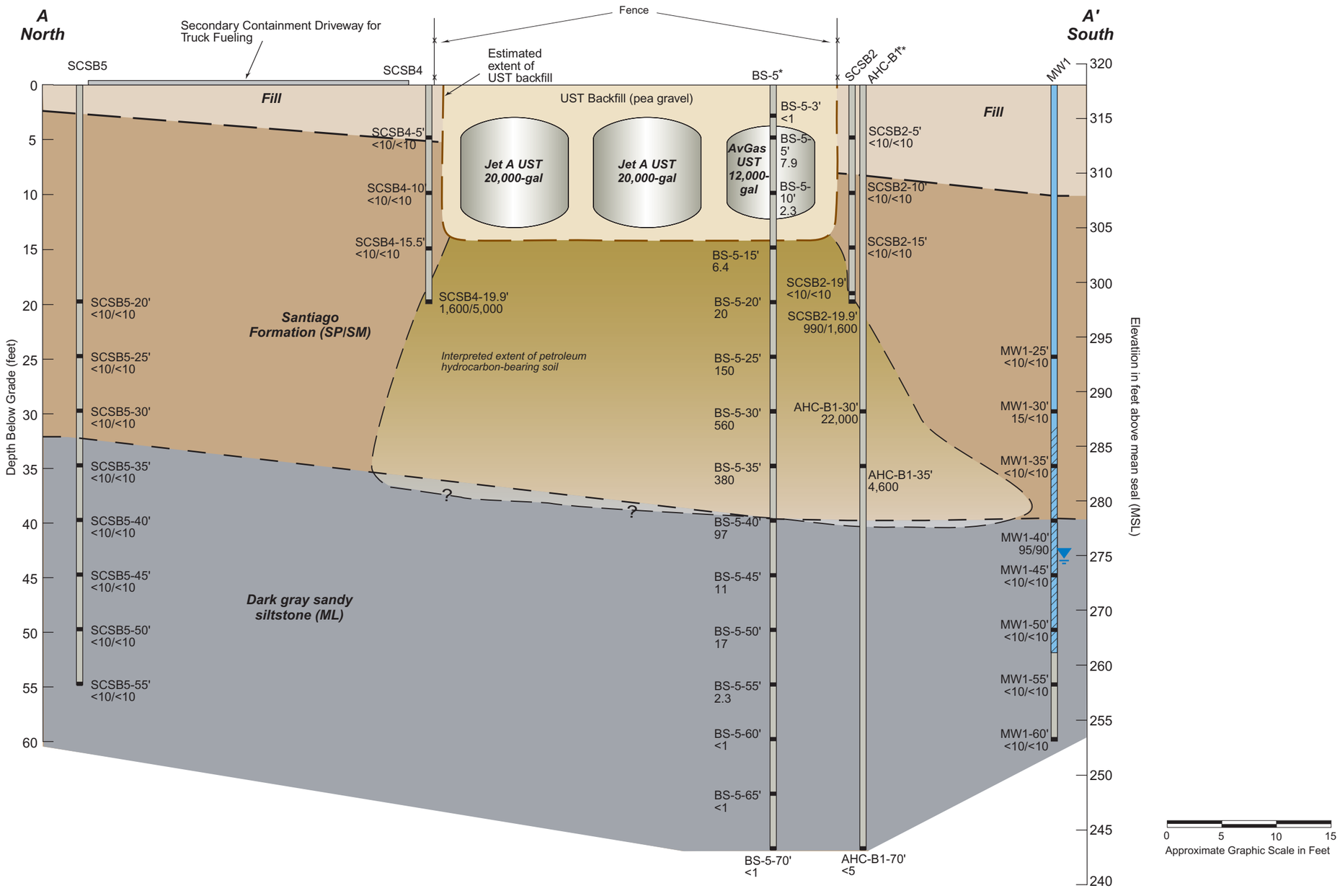
ENVIRONMENTAL CONSULTANTS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CALIFORNIA 92123

GROUNDWATER ANALYTICAL RESULTS
Western Flight
2100 Palomar Airport Road
Carlsbad, California

Project No.: 01205558.02

Figure 7

Date Drafted: 4/26/07



EXPLANATION

SCSB1 — Soil boring with soil sample analyzed for total petroleum hydrocarbons (TPH) as gas (TPHg) and diesel (TPHd) reported in milligrams per kilogram (mg/kg). Soil borings SCSB2, SCSB4, SCSB5, and MW1 analyzed for TPHg and TPHd via CA DHS LUFT Method < indicates not reported at indicated laboratory reporting limit. Soil boring BS-5 and AHC-B1 were reportedly analyzed via EPA Method 8015 for TPH.

Approximate groundwater elevation.

MW2 — Monitoring well with screened interval indicated.

UST = Underground storage tank

Approximate extent of petroleum hydrocarbon-bearing soil with TPH concentrations greater than 100 mg/kg.

* Note: Boring BS-5 projected 20 feet east onto cross section.

** Note: Boring AHC-B1 projected 11 feet east onto cross section.

Soil borings SCSB2 and SCSB4 collected in February 2006, soil boring SCSB5 and MW2 collected in March 2007, and soil boring MW3 collected in September 2007 by SCS Engineers (SCS). Soil boring AHC-B1 collected by Applied Hydrologic Consultants (1988) and soil boring BS-5 collected by Hart and Associates (1989).

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

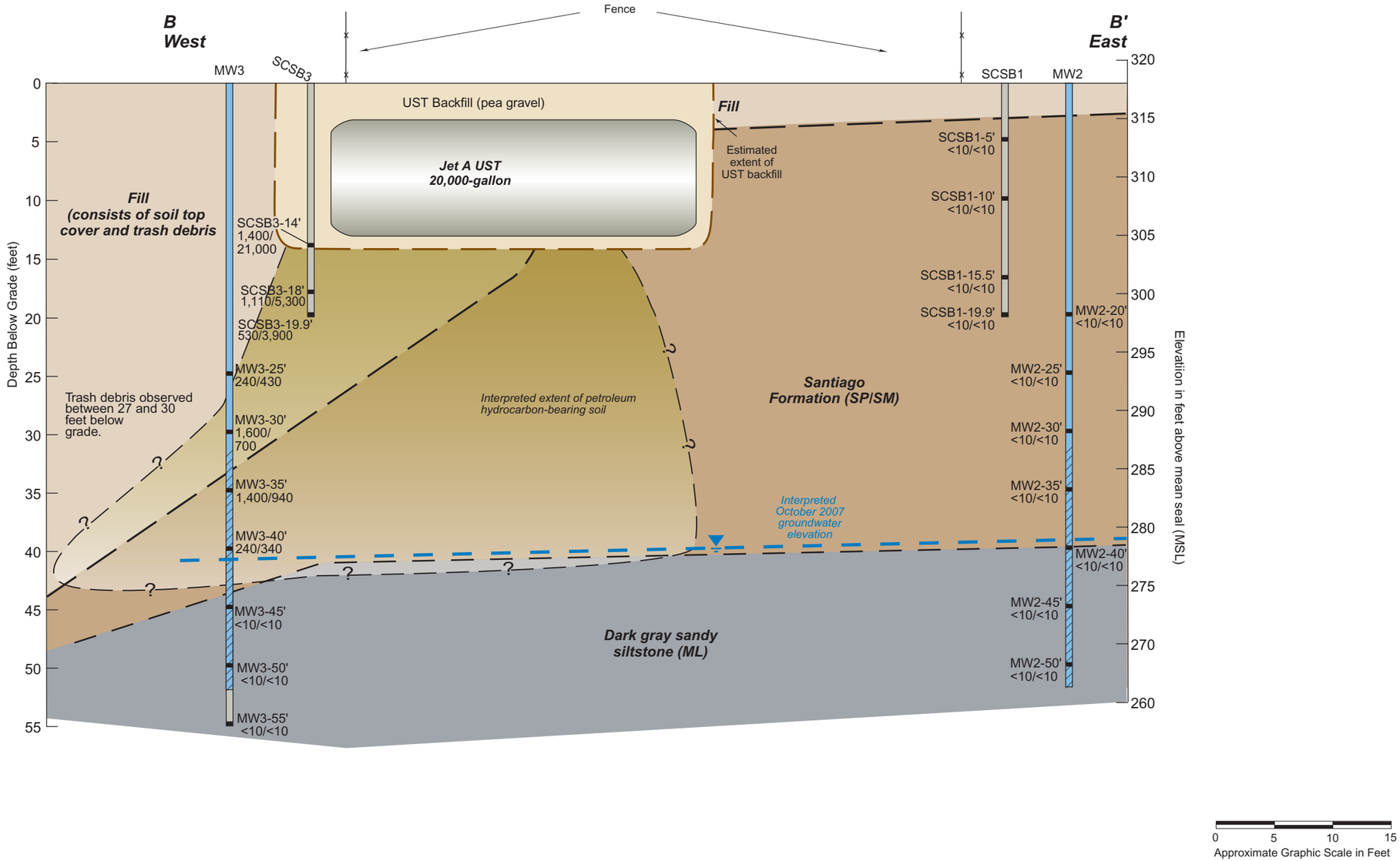
CROSS SECTION A - A' WITH GENERALIZED GEOLOGY

Western Flight
2100 Palomar Airport Road
Carlsbad, California

Project No.: 0120558.02

Figure 8

Date Drafted: 12/15/07



EXPLANATION

SCSB1 — Soil boring with soil sample analyzed for total petroleum hydrocarbons (TPH) as gas (TPHg) and diesel (TPHd) reported in milligrams per kilogram (mg/kg). Soil borings SCSB2, SCSB4, SCSB5, MW2 and MW3 analyzed for TPHg and TPHd via CA DHS LUFT Method < indicates not reported at indicated laboratory reporting limit. Soil boring BS-5 and AHC-B1 were reportedly analyzed via EPA Method 8015 for TPH.

Soil borings SCSB2 and SCSB4 collected in February 2006, soil boring SCSB5 and MW2 collected in March 2007, and soil boring MW3 collected in September 2007 by SCS Engineers (SCS). Soil boring AHC-B1 collected by Applied Hydrologic Consultants (1988) and soil boring BS-5 collected by Hart and Associates (1989).

UST = Underground storage tank

MW2 — Monitoring well with screened interval indicated.

Approximate extent of petroleum hydrocarbon-bearing soil with TPH concentrations greater than 100 mg/kg.

Approximate groundwater elevation.

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

CROSS SECTION B - B' WITH GENERALIZED GEOLOGY
Western Flight
2100 Palomar Airport Road
Carlsbad, California

Project No.: 0120558.02

Figure 9

Date Drafted: 12/15/07



EXPLANATION

MW2 — Groundwater monitoring well location. MW1, MW2, and MW3 installed as part of UST investigation. MW-12 installed as part of Palomar Airport Landfill monitoring program.

SCSB5 — Soil Boring completed by SCS Engineers (SCS) [2006 & 2007].

BS-5 — Soil Boring installed by Hart and Associates (HART) [1989].

AHC-B1 — Soil Boring completed by Applied Hydrogeologic Consultants (AHC) [1988].

Fence

Underground storage tank

APPROXIMATE SCALE IN FEET

10 0 10

N

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CALIFORNIA 92123

SITE VICINITY GROUNDWATER WELLS
Western Flight
2100 Palomar Airport Road
Carlsbad, California

Project No.: 01205558.02

Figure 10

Date Drafted: 12/24/07

APPENDIX

DEPARTMENT OF ENVIRONMENTAL HEALTH CORRESPONDENCE

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
www.sdcounty.ca.gov/deh/lwq

June 12, 2006

Mr. Monte Testerman
Western Flight, Inc.
2100 Palomar Airport Road
Carlsbad, CA 92008

Dear Mr. Testerman:

UNAUTHORIZED RELEASE #H13987-001 AND 003
WORKPLAN APPROVAL
WESTERN FLIGHT, INC.
2100 PALOMAR AIRPORT ROAD, CARLSBAD, CA 92008-4816

This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the Workplan received by the County of San Diego, Site Assessment and Mitigation Program (SAM), on May 15, 2006.

The Workplan, dated May 11, 2006, prepared by SCS Engineers, covers one of the following phases of corrective action:

Preliminary Site Assessment	( )
Soil and Water Investigation	(X)
Corrective Action Plan	( )
Verification Monitoring	( )
Interim Remedial Action	( )

The Workplan, which proposes to advance four soil borings, has been:

( ) approved.
( ) disapproved-call the undersigned for further instructions.
(X) approved with the following changes or conditions:

1. Groundwater monitoring wells must be installed at a minimum of three of the boring locations, including in the estimated hydraulic downgradient direction. Sample and monitor the wells to determine the actual groundwater gradient.

2. The County of San Diego, Department of Public Works (DPW) issued a response to this workplan on May 30, 2006. In addition to DEH conditions, comply with the conditions stipulated in the DPW letter.

This approval is valid for 6 months from the date of this letter. *Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Division 20, Chapter 6.75, Article 6).*

The need for further site characterization and mitigation actions will be determined following evaluation of the written report. If you have any questions, please call me at (619) 338-2205.

Sincerely,

JAMES CLAY, Environmental Health Specialist III
Site Assessment and Mitigation Program

JC:ae

cc: Barry Pulver, County of San Diego, Department of Public Works
Lidia Sosinsky, County of San Diego, DPW
John Robertus, Executive Officer, RWQCB
Guillermo "Willie" Vasquez, Airport Manager
Ginna Reyes, Western Flight, Inc.
Wayne Rosenbaum, Esq., Foley & Lardner, LLP
David R. O'Leary, P.G., Project Geologist, SCS Engineers
Dan Vidal, P.E., Project Manager, SCS Engineers
Brian Hitchens, P.G., C.H.G., Senior Hydrogeologist, GeoSyntec Consultants

SAN DIEGO COUNTY DEPARTMENT OF PUBLIC WORKS CORRESPONDENCE

County of San Diego

DEPARTMENT OF PUBLIC WORKS

JOHN L. SNYDER
DIRECTOR

5555 OVERLAND AVE, SUITE 2188
SAN DIEGO, CALIFORNIA 92123-1295
(858) 694-2212 FAX: (858) 268-0461
Web Site: sdcdpw.org

May 30, 2006

Mr. Monte Testerman
Western Flight, Inc.
2100 Palomar Airport Road
Carlsbad, California 92008

Dear Mr. Testerman:

WORKPLAN FOR SITE ASSESSMENT ACTIVITIES, 2100 PALOMAR AIRPORT ROAD – WESTERN FLIGHT, CARLSBAD, CALIFORNIA

The County of San Diego, Department of Public Works – Landfill Management (County) has received and reviewed the document prepared by SCS Engineers titled, "Workplan for Site Assessment Activities, 2100 Palomar Airport Road – Western Flight, Carlsbad, California (Workplan)", dated May 11, 2006. The County has the following comments regarding the Workplan.

1. As you maybe aware, the California Regional Water Quality Control Board – San Diego Region (Regional Board) issued Order No. 96-13 to the County for waste discharge requirements for the post-closure maintenance of the Palomar Airport Landfill. Directive D.1.b. of Order No. 96-13 requires the County to submit a workplan at least 30 days prior to the drilling of soil borings. Therefore the Workplan must be submitted under County letterhead to the Regional Board.

2. Under the heading "Applicable Regulations and Regulatory Guidance," the workplan states that the "owner or operator shall remove free product to the maximum extent practicable as determined by the local agency. Please be advised that as the property owner and the entity responsible for the maintenance of the landfill the County may require a stricter cleanup level than just the removal of free product to the maximum extent practicable.

3. The proposed field investigation will be conducted within, or in very close proximity to, buried waste. The health and safety plan should incorporate landfill-specific elements,

property owner and the entity responsible for the maintenance of the landfill, the County will require that Western Flight comply with all applicable regulations and requirements for the proper drilling and destruction of the soil borings and to ensure that the investigative activities do not negatively impact the integrity of the landfill cover or result in a conduit for the migration of water and contaminates into the landfill and/or groundwater.

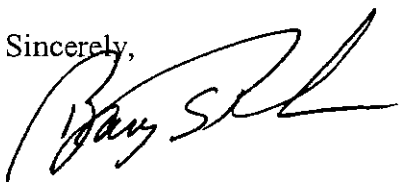
8. Please provide a description of the methods and materials to be used to destroy the soil borings in accordance with applicable local, state, and federal regulations and guidance, and to ensure that the destroyed soil boring will not allow the migration of water into the waste and will not act as a conduit for the migration of contaminates to groundwater.

9. County representatives would like to be present to observe the drilling activities and may wish to collect soil samples. Please give the undersigned five working-days notice of field work to allow the County to schedule the work.

10. The Air Pollution Control Board (APCD) requires mitigation measures if waste is encountered or removed as part of site activities, including the drilling of soil borings. Immediately call the undersigned should waste be encountered during the drilling activities.

If you have questions regarding this report or the enclosure please call me at (858) 495-5480.

Sincerely,



Barry S. Pulver, P.G., C.E.G., C.H.G.
Hydrogeologist
Landfill Management

cc: Mr. James Clay, Department of Environmental Health, County of San Diego, P.O. Box 129261, San Diego, California 92112-9261

Mr. John Robertus, Executive Officer, California Regional Water Quality Control Board, San Diego Region, 9174 Sky Park Court, Suite 100, San Diego, California 92123

Mr. Guillermo "Willie" Vasquez, Airport Manager, McClellan-Palomar Airport, 2198 Palomar Airport Road, Carlsbad, California 92008

Ms. Ginna Reyes, Western Flight, Inc., Western Flight, Inc., 2100 Palomar Airport Road Carlsbad, California 92008

BORING PERMIT

PERMIT #LMON105087
A.P.N. #213-020-18
EST #H13987-003

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: WESTERN FLIGHT

SITE ADDRESS: 2210 PALOMAR AIRPORT RD CARLSBAD CA 92008

PERMIT FOR: **1 GROUNDWATER MONITORING WELL & 1 SOIL BORING**

PERMIT APPROVAL DATE: AUGUST 30, 2007

PERMIT EXPIRES ON: DECEMBER 28, 2007

RESPONSIBLE PARTY: WESTERN FLIGHT

PERMIT CONDITIONS:

1. Wells must have a **minimum 3-foot concrete surface seal**. The surface seal shall consist of concrete able to withstand the maximum anticipated load without cracking or deteriorating. The concrete should meet Class A specifications of a minimum 4000-pound compressive strength.

2. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**

3. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, E- 4. (**http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html**). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

4. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

5. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 619) 338-2339.

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: JAMES CLAY DATE: 8.30.2007

NOTIFIED: _____

DEH:SAM-9075

PERMIT # LMON104334
A.P.N. # 213-020-18-00
EST # H13987-003

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: WESTERN FLIGHT

SITE ADDRESS: 2210 PALOMAR AIRPORT RD., CARLSBAD, CA 92008

PERMIT FOR: **THREE GROUNDWATER MONITORING WELLS AND ONE BORING**

PERMIT APPROVAL DATE: OCTOBER 17, 2006

PERMIT EXPIRES ON: FEBRUARY 14, 2007

RESPONSIBLE PARTY: WESTERN FLIGHT

PERMIT CONDITIONS:

1. Wells must have a **minimum 3-foot concrete surface seal**. The surface seal shall consist of concrete able to withstand the maximum anticipated load without cracking or deteriorating. The concrete should meet Class A specifications of a minimum 4000-pound compressive strength.

2. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**

3. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, E- 4. (**http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html**). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

4. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

5. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 338-2339.

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: _____ DATE: 10.17.2006
JAMES CLAY

NOTIFIED: _____
DEH:SAM-9075 (3/05)

BORING LOGS

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

WELL LOG

Number: **MW3**

Client: Western Flight	Job No: 01205558.02	Sheet: 1 of 2	
SCS Rep: Tom Wright	Location: 2100 Palomar Airport Road Carlsbad, California	Drilling Company: Test America	
Date Drilled: 9/6/07	Date Drafted: 9/6/07	Drill Rig/Sampling Method: CME 75/HSA Split Spoon Sampler	Lat.: 33.1278 / Long.: -117.2733 / Ground Surface Elev.: 318.18'
			Borehole Dia.: 10" / Casing Dia.: 4" / Total Depth: 55'

SAMPLE LOG			BOREHOLE LOG				
Sample Number	Lab results TPH Gas/Diesel (ppm)	Blows per foot	Depth (feet)	Sample interval	USCS symbol	Graphic Log	Geologic Description: Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.
			0				0 - 4 inches below grade, Asphalt pavement.
			1				6 inches below grade, FILL. Strong brown (7.5 YR 4/6), SILTY, fine- to coarse-grained SAND, some-trace gravel, trace clay, moist, loose, no odor.
			2				
			3				
			4				
			5				5 foot below grade, FILL. dry, trash odor, dark greenish gray staining.
MW3-5'	NA	5/6/7	6				
			7				
			8				9 foot below grade, FILL. dry, trash odor, paper and plastic debris.
			9				
			10				
MW3-10'	NA	11/11/12	11				
			12				
			13				
			14		SM		
			15				
MW3-15'	NA	6/5/5	16				15 feet below grade dry, loose, no odor, PID = 15 ppm, FID = 0.0 ppm.
			17				
			18				
			19				
			20				20 to 20.5 feet below grade, olive CLAY seam, PID = 29.6 ppm, FID = 0.0 ppm.
MW3-20'	NA	5/7/13	21				21 feet below grade, black hydrocarbon stained soil, PID = 29.6 ppm, FID = 0.0 ppm.
			22				
			23				
			24				
			25				25 feet below grade Light to dark gray (10 YR 7/1), medium SAND, dry, dense, minor hydrocarbon odor, PID = 57 ppm, FID = 0.0 ppm.
MW3-25'	240/430	17/23/24	26				
			27				27 foot below grade, FILL. dark green stained soil, trash odor, paper and plastic debris.
			28				
			29				
			30				30 feet below grade, Light to dark gray (10 YR 7/1), medium SAND, dry, very dense, hydrocarbon odor, PID = 120 ppm, FID = 0.0 ppm.
MW3-30'	1,600/700	19/40/ 50-6"	31				
			32				
			33				**SANTIAGO FORMATION** 35 feet below grade Yellowish brown (10 YR 5/4) CLAYEY SILT, trace fine-grained sand, moist, hard, hydrocarbon odor, low plastic fines, PID = 52 ppm, FID = 0.0 ppm.
			34				
			35		ML		
MW3-35'	1,400/940	14/23/36					

Well Construction: Bentonite, Grout, Bentonite, Seal, Sand

Logged by: Tom Wright Title: Project Professional Date: 9/6/07

Reviewed by: Tom Wright License no: PG 5571 Date: 11/1/07

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

WELL LOG

Number: **MW3**

Client: Western Flight
Job No: 01205558.02
Sheet: 2 of 2

SCS Rep: Tom Wright
Location: 2100 Palomar Airport Road, Carlsbad, California
Drilling Company: Test America

Date Drilled: 9/6/07
Date Drafted: 9/6/07
Drill Rig/Sampling Method: CME 75/HSA Split Spoon Sampler
Lat.: 33.1278
Long.: -117.2733
Ground Surface Elev.: 318.18'
Borehole Dia.: 10"
Casing Dia.: 4"
Total Depth: 55'

SAMPLE LOG			BOREHOLE LOG				
Sample Number	Lab results TPH Gas/Diesel (ppm)	Blows per foot	Depth (feet)	Sample interval	USCS symbol	Graphic Log	Geologic Description: Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.
MW3-40'	240/340	18/25/38	40		ML		40 feet below grade PID = 128.5 ppm.
MW3-45'	<10/<10	18/28/50	45		ML		45 feet below grade Dark bluish-gray (GLEY2 4/10BG), SILT, friable, dry, hard, no odor, PID = 0.0 ppm, FID = 0.0 ppm.
MW3-50'	<10/<10	30/50	50				50 feet below grade, PID = 0.0 ppm.
MW3-50'		20/50	55				55 feet below grade, PID = 0.0 ppm.
	<10/<10						Boring terminated at 55 feet below grade. No groundwater encountered during drilling operations. No groundwater observed in well 24 hours later or 7 days later. Groundwater measured at 39.02 feet below grade on 9/26/07. FID = Flame ionization detector

Well Construction: Sand

Logged by: Tom Wright Title: Project Professional Date: 9/6/07

Reviewed by: Tom Wright License no: PG 5571 Date: 11/1/07

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

WELL LOG

Number: **MW2**

Client: Western Flight	Job No: 01205558.02	Sheet: 1 of 2	
Location: 2100 Palomar Airport Road, Carlsbad, California	Drilling Company: Test America		
SCS Rep: Tom Wright			
Date Drilled: 3/5/07	Date Drafted: 5/1/07	Drill Rig/Sampling Method: CME 75/HSA Split Spoon Sampler	
Lat.: 33.1278	Long.: -117.2730	Ground Surface Elev.: 318.55'	
Borehole Dia.: 10"	Casing Dia.: 4"	Total Depth: 54'	

SAMPLE LOG

Sample Number	Lab results TPH Gas/Diesel (ppm)	Blows per foot
MW2-5'	NA	8/10/12
MW2-10'	NA	8/12/12
MW2-15'	NA	11/15/18
MW2-20'	<10/<10	12/16/18
MW2-25'	<10/<10	18/20/21
MW2-30'	<10/<10	28/30/32
MW2-35'	<10/<10	11/20/20

BOREHOLE LOG

Depth (feet)	Sample interval	USCS symbol	Graphic Log	Geologic Description: Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.
0				0 - 4 inches below grade, Asphalt pavement.
1–3		SM		4 inches - 3 foot below grade, FILL. Strong brown (7.5 YR 4/6), SILTY, fine- to coarse-grained SAND, some-trace gravel, trace clay, moist, no odor.
4–5				**SANTIAGO FORMATION** 3 feet below grade Yellowish brown (10 YR 5/4) SANDY SILT, trace fine-grained sand, moist, very stiff, no odor, non-plastic fines, PID = 0.0 ppm.
10				10 feet below grade Yellowish-brown (10 YR 5/4) SILT, trace fine-grained sand and clay, moist-dry, very stiff, trash odor, no trash in cuttings or sample, PID = 0.5 ppm, FID = 0.0 ppm.
14				14 feet below grade, dark stained soil, trash odor, no trash in cuttings, PID = 0.0 ppm, FID = 0.0 ppm.
15				15 feet below grade Increase in very fine sand content, pale yellow (5 Y 7/3), oxidation mottling throughout, dry, no odor, PID = 0.0 ppm, FID = 0.0 ppm.
18		ML		
20				20 feet below grade PID = 0.0 ppm.
25		SM		25 feet below grade PID = 0.0 ppm.
30				30 feet below grade, PID = 0.0 ppm.
35				35 feet below grade, PID = 0.0 ppm.

Well Construction: Bentonite, Grout, Bentonite Seal, Sand

Logged by: Tom Wright Title: Project Professional Date: 3/6/07

Reviewed by: Tom Wright License no: PG 5571 Date: 5/1/07

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

WELL LOG

Number: **MW2**

Client: Western Flight	Job No: 01205558.02	Sheet: 2 of 2	
SCS Rep: Keith Etchells	Location: 2100 Palomar Airport Road Carlsbad, California	Drilling Company: Test America	
Date Drilled: 3/5/07	Date Drafted: 5/21/07	Drill Rig/Sampling Method: CME 75/HSA Split Spoon Sampler	Lat.: 33.1278 / Long.: -117.2730 / Ground Surface Elev.: 318.55'
			Borehole Dia.: 10" / Casing Dia.: 4" / Total Depth: 54'

SAMPLE LOG

Sample Number	Lab results TPH Gas/Diesel (ppm)	Blows per foot
MW2-40'	<10/<10	40/50-4"
MW2-45'	<10/<10	30/50-2"
MW2-50'	<10/<10	50-8"

BOREHOLE LOG

Depth (feet) | Sample interval | USCS symbol | Graphic Log | Geologic Description: Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.

40 feet below grade
Dark gray (10 YR 4/1) SILT, trace clay, hard, dry, no odor, PID = 0.8 ppm.

USCS symbol: ***ML***

45 feet below grade, PID = 0.8 ppm.

50 feet below grade, PID = 0.8 ppm.

Boring terminated at 54 feet below grade. No groundwater encountered during drilling operations. No groundwater observed in well 24 hours later, 7 days, or 14 days later.

FID = Flame ionization detector

Well Construction: Sand

Logged by: Keith Etchells Title: Project Professional Date: 3/6/07

Reviewed by: Tom Wright License no: PG 5571 Date: 5/1/07

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

WELL LOG

Number: **MW1**

Client: Western Flight	Job No: 01205558.02	Sheet: 1 of 2	
Location: 2100 Palomar Airport Road Carlsbad, California	Drilling Company: Test America		
SCS Rep: Tom Wright			
Date Drilled: 9/6/07	Date Drafted: 9/6/07	Drill Rig/Sampling Method: CME 75/HSA Split Spoon Sampler	
Lat.: 33.1277	Long.: -117.2732	Ground Surface Elev.: 318.26'	
Borehole Dia.: 10"	Casing Dia.: 4"	Total Depth: 55'	

SAMPLE LOG

Sample Number	Lab results TPH Gas/Diesel (ppm)	Blows per foot
MW1-5'	NA	4/2/6
MW1-10'	NA	6/8/8
MW1-15'	NA	10/10/12
MW1-20'	NA	11/12/15
MW1-25'	<10/<10	15/25/33
MW1-30'	15/<10	19/31/35
MW1-35'	<10/<10	15/24/40

BOREHOLE LOG

Depth (feet) | Sample interval | USCS symbol | Graphic Log

Geologic Description: Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.

0 - 4 inches below grade, Asphalt pavement.

4 inches - 3 foot below grade, FILL.
Strong brown (7.5 YR 4/6), SILTY, fine- to coarse-grained SAND, some-trace gravel, trace clay, moist, no odor.

SM

5 foot below grade, FILL.
trash odor, minor olive paper trash debris.

SANTIAGO FORMATION

ML

10 feet below grade
Yellowish brown (10 YR 5/4) SANDY SILT, trace fine-grained sand, moist, very stiff, no odor, non-plastic fines, PID = 0.0 ppm.

15 feet below grade
pale yellow (5 Y 7/3), oxidation mottling throughout, dry, no odor, PID = 1.2 ppm, FID = 0.0 ppm.

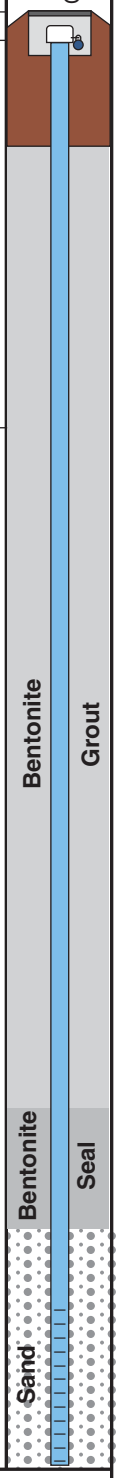
20 feet below grade
strong brown (7.5 YR 4/6), SILTY fine SAND, very fine-grained sand and mica, dry, dense, no odor, trace clay, low plasticity fines, PID = 0.0 ppm.

25 feet below grade
Light gray (10 YR 7/1), SILT, trace fine-grained sand and mica, dry, no odor, trace oxidation staining, PID = 0.0 ppm.

30 feet below grade, increase in oxidation staining, slight hydrocarbon odor, PID = 29.5 ppm.

35 feet below grade, PID = 0.0 ppm.

Well Construction



Logged by: Tom Wright Title: Project Professional Date: 9/6/07

Reviewed by: Tom Wright License no: PG 5571 Date: 11/1/07

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

WELL LOG

Number: **MW1**

Client: Western Flight	Job No: 01205558.02	Sheet: 2 of 2	
Location: 2100 Palomar Airport Road, Carlsbad, California	Drilling Company: Test America		
SCS Rep: Tom Wright			
Date Drilled: 9/6/07	Date Drafted: 9/6/07	Drill Rig/Sampling Method: CME 75/HSA Split Spoon Sampler	
Lat.: 33.1277	Long.: -117.2732	Ground Surface Elev.: 318.26'	
Borehole Dia.: 10"	Casing Dia.: 4"	Total Depth: 55'	

Sample Number	Lab results TPH Gas/Diesel (ppm)	Blows per foot	Depth (feet)	Sample interval	USCS symbol	Graphic Log	Geologic Description: Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.
			36				
			37				
			38				
			39				
			40				
MW1-40'	95/90	18/25/38	41				40 feet below grade Dark bluish-gray (GLEY2 4/10BG), SILT, trace clay, hard, dry, no odor, PID = 0.0 ppm.
			42				
			43				
			44				
			45				
MW1-45'	<10/<10	18/28/50	46				45 feet below grade, PID = 0.0 ppm.
			47				
			48		ML		
			49				
			50				
MW1-50'	<10/<10	30/50	51				50 feet below grade, PID = 0.0 ppm.
			52				
			53				
			54				
MW1-50'	<10/<10	20/50	55				55 feet below grade, PID = 0.0 ppm.
			56				Boring terminated at 55 feet below grade. No groundwater encountered during drilling operations. No groundwater observed in well 24 hours later, or 7 days. Groundwater encountered at 43.42 on 9/26/07.
			57				
			58				
			59				FID = Flame ionization detector
			60				
			61				
			62				
			63				
			64				
			65				
			66				
			67				
			68				
			69				
			70				
			71				

Well Construction: Sand

Logged by: Tom Wright Title: Project Professional Date: 9/6/07

Reviewed by: Tom Wright License no: PG 5571 Date: 11/1/07

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

BOREHOLE LOG

Number: **SCSB5**

Client: Western Flight	Job No: 01205558.02	Sheet: 1 of 2	
Location: 2100 Palomar Airport Road, Carlsbad, California	Drilling Company: Test America		
SCS Rep: Keith Etchells			
Date Drilled: 3/6/07	Date Drafted: 5/21/07	Drill Rig/Sampling Method: CME 75/HSA Split Spoon Sampler	Lat.: / Long.: / Ground Surface Elev.: 319'
			Borehole Dia.: 8" / Qty of Backfill.: 21 ft³ / Total Depth: 60.0'

SAMPLE LOG			BOREHOLE LOG					
Sample Number	Lab results TPH Gas/Diesel (ppm)	Blows per foot	Depth (feet)	Sample interval	USCS symbol	Graphic Log	Geologic Description: Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.	Backfill Log
			0				0 - 4 inches below grade, Asphalt pavement.	Concrete
			1		SM		4 inches - 1 foot below grade, FILL. Strong brown (7.5 YR 4/6), SILTY, fine- to coarse-grained SAND, some-trace gravel, trace clay, moist, no odor.	
			2		CL		1 - 3 feet below grade Dark yellowish-brown (10 YR 4/4) SILTY CLAY, trace fine- to medium-grained sand and mica, moderately stiff, moist, no odor.	
			3					
			4				**SANTIAGO FORMATION**	
SCSB5-5'	NA	6/8/10	5				3 - 8 feet below grade Brown (10 YR 5/3) CLAYEY SILT, trace fine-grained sand, moist, no odor, PID = 0.0 ppm.	
			6					
			7					
			8					
			9				8 - 13 feet below grade Yellowish-brown (10 YR 5/4) SILT, trace fine-grained sand and clay, moist-dry, no odor, PID = 0.6 ppm.	
SCSB5-10'	NA	8/10/10	10					
			11					
			12					
			13					
			14				13 - 18 feet below grade Light yellowish-brown (10 YR 6/4) fine-grained sandy SILT, dry, no odor, PID = 0.0 ppm.	
SCSB5-15'	NA	11/13/15	15					
			16					
			17					
			18		ML			
			19					
			20				18 - 32 feet below grade Light gray (10 YR 7/1), SILT, trace fine-grained sand and mica, dry, no odor, PID = 1.3 ppm.	
SCSB5-20'	<10/<10	15/18/25	21					
			22					
			23					
			24					
			25				Light gray (10 YR 7/1), SILT, trace fine-grained sand and mica, dry, no odor, trace Fe oxide staining, PID = 0.8 ppm.	
SCSB5-25'	<10/<10	18/20/21	26					
			27					
			28					
			29					
			30				Light gray (10 YR 7/1), SILT, trace fine-grained sand and mica, dry, no odor, no Fe oxide staining, PID = 29 ppm.	
SCSB5-30'	<10/<10	20/28/30	31					
			32					
			33		ML/CL		32 - 34 feet below grade Yellowish-brown (10 YR 5/4) SILT, some-trace clay, moist, very slight VOC odor.	
			34				34 - 42 feet below grade Dark yellowish-brown (10 YR 4/4) SILT, trace clay, moist, no odor, PID = 1.1 ppm.	
SCSB5-35'	<10/<10	48/50 6"	35		ML			Bentonite Grout

Logged by: Keith Etchells Title: Project Professional Date: 3/6/07

Reviewed by: Tom Wright License no: PG 5571 Date: 5/1/07

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

BOREHOLE LOG

Number: **SCSB5**

Client: Western Flight	Job No: 01205558.02	Sheet: 2 of 2	
Location: 2100 Palomar Airport Road, Carlsbad, California	Drilling Company: Test America		
SCS Rep: Keith Etchells			
Date Drilled: 3/6/07	Date Drafted: 5/21/07	Drill Rig/Sampling Method: CME 75/HSA Split Spoon Sampler	Lat.: / Long.: / Ground Surface Elev.: 319'
			Borehole Dia.: 8" / Qty of Backfill.: 21 ft³ / Total Depth: 60.0'

SAMPLE LOG			BOREHOLE LOG				
Sample Number	Lab results TPH Gas/Diesel (ppm)	Blows per foot	Depth (feet)	Sample interval	USCS symbol	Graphic Log	Geologic Description: Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.
SCSB5-40'	<10/<10	6/8/10	36–71		ML		34 - 40 feet below grade Dark yellowish-brown (10 YR 4/4) SILT, trace clay, moist, no odor, PID = 1.1 ppm. 40 - 44 feet below grade Dark gray (10 YR 4/1) SILT, trace clay, very firm, dry-moist, no odor, PID = 0.3 ppm. 44 - 60 feet below grade Dark bluish-gray (GLEY2 4/10BG) friable SILT, very dense, dry, no odor, PID = 0.0 ppm.
SCSB5-45'	<10/<10	8/10/10					
SCSB5-50'	<10/<10	11/13/15					Dark bluish-gray (GLEY2 4/10BG) friable SILT, very dense, dry, no odor, trace shell fragments, PID = 0.0 ppm.
SCSB5-55'	<10/<10	15/18/25					Dark bluish-gray (GLEY2 4/10BG) friable SILT, very dense, dry, no odor, trace shell fragments, PID = 0.0 ppm.
		—					Boring terminated at 60 feet below grade. Backfilled with bentonite grout and capped with concrete.

Backfill Log: Bentonite Grout

Logged by: Keith Etchells Title: Project Professional Date: 3/6/07

Reviewed by: Tom Wright License no: PG 5571 Date: 5/1/07

WELL COMPLETION LOGS

MONITORING WELL CONSTRUCTION DETAILS

FLUSH MOUNT WELL

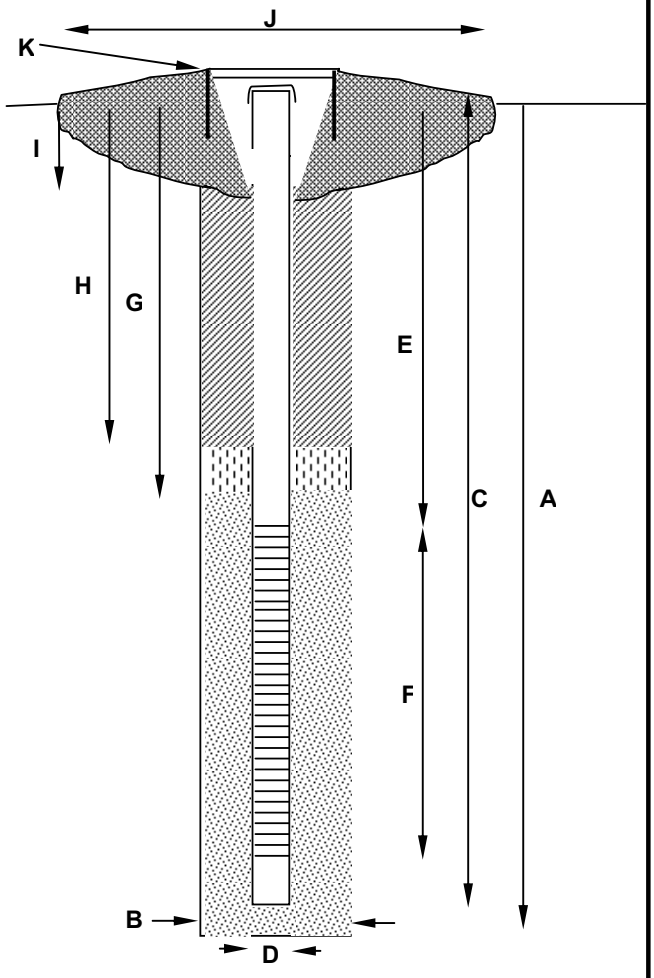
SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123

PROJECT NUMBER: 01205558.02 | BORING/WELL NUMBER: MW2

SITE: 2100 Palomar Airport Rd | CLIENT: Western Flight

COUNTY & PERMIT #: San Diego LMON104334 | DATE OF INSTALLATION: March 6, 2007

DRILLER: Test America | PREPARED BY: Keith Etchells



CONSTRUCTION DETAILS

Surface Elevation	318.55'
Top of Casing Elevation	318.07'
A. Total Depth	54'
B. Boring Diameter	10"
C. Casing Length	52'
Casing Material	SCH 40 PVC
D. Casing Diameter	4"
E. Depth to Top of Screen	32'
F. Screen Length	20'
Screen (slot) Size	0.01"
G. Depth to top of Filter Pack	30'
Filter Pack Material	2/12 sand
H. Depth to top of Seal	3'
Seal Material	Hydrated bentonite chips
I. Depth to Top of Fill Material	3'
Annular Fill Material	Bentonite Grout
J. Surface Seal Dimensions	3' x 3'
Radial or Square or Other	radial
Surface Seal Material	Concrete
K. Type and Size of Protective Casing:	Emco 12"

Notes:
Bentonite grout to 3 ft below grade (2 bags of grout); 3 bags of bentonite chips, and 8 bags of sand (8 cu. ft.), 9 bags of concrete used in well box completion.

Prepared by:	Date:	Reviewed by:	Date:
Keith Etchells	3/6/2007	Tom Wright, PG 7972	11/1/2007

MONITORING WELL CONSTRUCTION DETAILS

FLUSH MOUNT WELL

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123

PROJECT NUMBER: 01205558.02

BORING/WELL NUMBER: MW1

SITE: 2100 Palomar Airport Rd

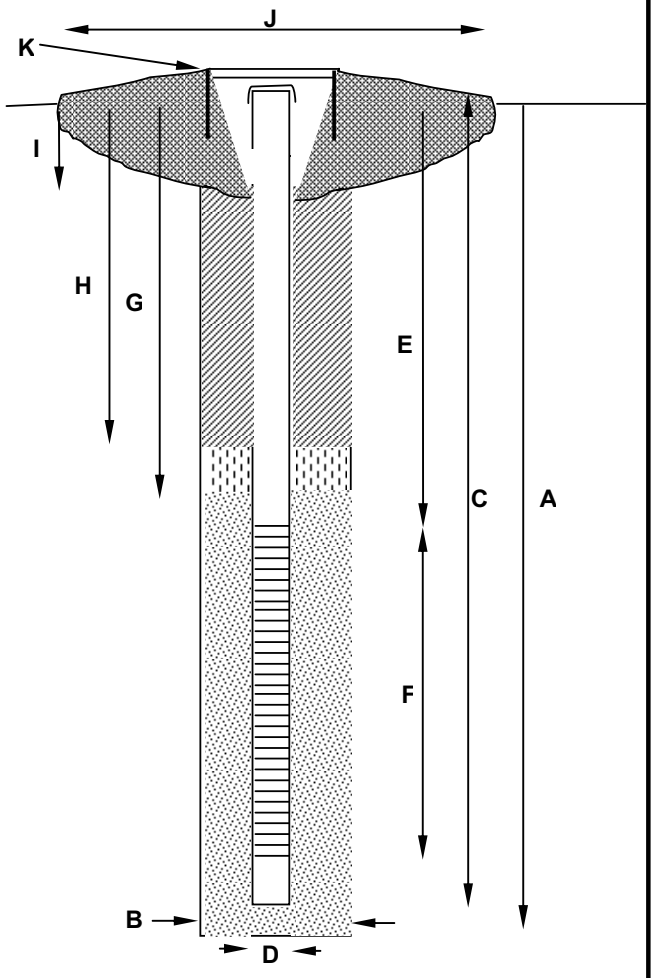
CLIENT: Western Flight

COUNTY & PERMIT #: San Diego LMON105087

DATE OF INSTALLATION: September 6, 2007

DRILLER: Test America

PREPARED BY: Tom Wright



CONSTRUCTION DETAILS

Surface Elevation	318.26'
Top of Casing Elevation	318.00'
A. Total Depth	55'
B. Boring Diameter	10"
C. Casing Length	52'
Casing Material	SCH 40 PVC
D. Casing Diameter	4"
E. Depth to Top of Screen	32'
F. Screen Length	20'
Screen (slot) Size	0.01"
G. Depth to top of Filter Pack	30'
Filter Pack Material	2/12 sand
H. Depth to top of Seal	3'
Seal Material	Hydrated bentonite chips
I. Depth to Top of Fill Material	3'
Annular Fill Material	Bentonite Grout
J. Surface Seal Dimensions	3' x 3'
Radial or Square or Other	radial
Surface Seal Material	Concrete
K. Type and Size of Protective Casing:	Emco 12"

Notes:
Bentonite grout to 3 ft below grade (3 bags of grout); 3 bags of bentonite chips, and 8 bags of sand (8 cu. ft.), 9 bags of concrete used in well box completion.

Prepared by:	Date:	Reviewed by:	Date:
Tom Wright	9/6/2007	Tom Wright, PG 7972	11/1/2007

MONITORING WELL CONSTRUCTION DETAILS

FLUSH MOUNT WELL

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123

PROJECT NUMBER: 01205558.02

BORING/WELL NUMBER: MW3

SITE: 2100 Palomar Airport Rd

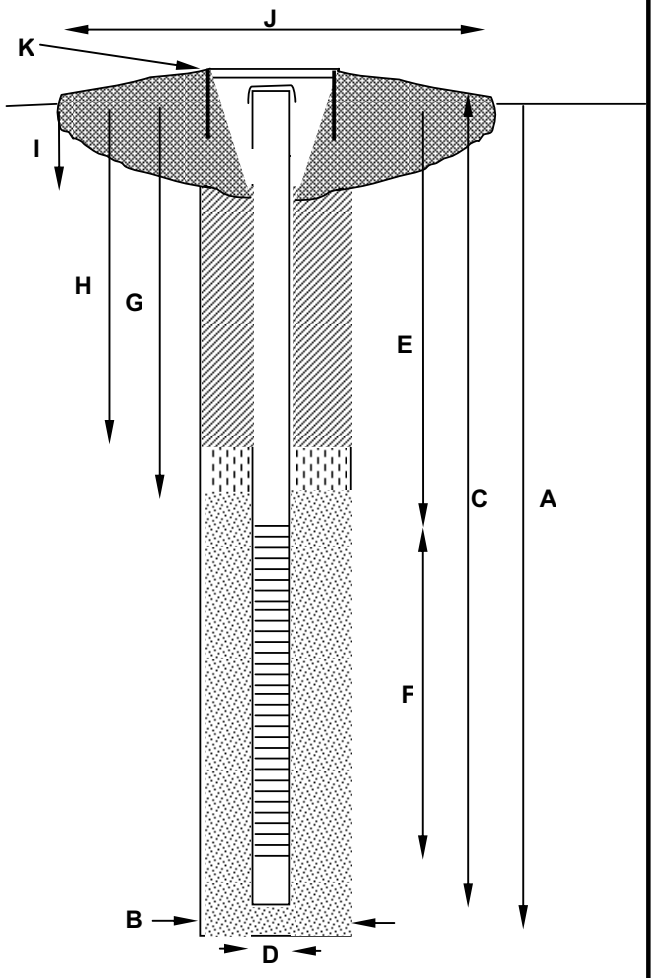
CLIENT: Western Flight

COUNTY & PERMIT #: San Diego LMON105087

DATE OF INSTALLATION: September 6, 2007

DRILLER: Test America

PREPARED BY: Tom Wright



CONSTRUCTION DETAILS

Surface Elevation	318.50'
Top of Casing Elevation	318.18'
A. Total Depth	55'
B. Boring Diameter	10"
C. Casing Length	52'
Casing Material	SCH 40 PVC
D. Casing Diameter	4"
E. Depth to Top of Screen	32'
F. Screen Length	20'
Screen (slot) Size	0.01"
G. Depth to top of Filter Pack	30'
Filter Pack Material	2/12 sand
H. Depth to top of Seal	3'
Seal Material	Hydrated bentonite chips
I. Depth to Top of Fill Material	3'
Annular Fill Material	Bentonite Grout
J. Surface Seal Dimensions	3' x 3'
Radial or Square or Other	radial
Surface Seal Material	Concrete
K. Type and Size of Protective Casing:	Emco 12"

Notes:
Bentonite grout to 3 ft below grade (3 bags of grout); 3 bags of bentonite chips, and 8 bags of sand (8 cu. ft.), 9 bags of concrete used in well box completion.

Prepared by:	Date:	Reviewed by:	Date:
Tom Wright	9/6/2007	Tom Wright, PG 7972	11/1/2007

GROUNDWATER PURGING AND SAMPLING FORMS

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123
Phone: 858.571-5500 - Fax: 858.571-5357

Client: Western Flight	Project No: 01205558.02	Recorded by: TT
Site Address: 2100 Palomar Airport Rd. Carlsbad, CA 92008	Date: 10/1/07	

WELL MONITORING DATA

WELL NO.	DTB	DTW	DTP	PT	SWE	ELEV-W	ELEV-P
MW1	51.96	43.29	--	--	318.01	274.72	--
MW2	50.85	38.70	--	--	318.08	279.38	--
MW3	50.24	41.07	--	--	318.18	277.11	--

WELL NO. - Monitoring well number
DTW - Depth to water from datum
DTP - Depth to product from datum
PT - Product Thickness

DTB - Depth to bottom of well
SWE - Surveyed well elevation in feet
ELEV-W - Relative elevation of water
ELEV-P - Relative elevation of product

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

WELL PURGING/SAMPLING LOG

Project Name: Western Flight	Well No.: MW1
Project Number: 01205558.02	Date: 10/1/07
Project Address: 2100 Palomar Airport Rd Carlsbad, CA	
Well GPS: Latitude:	Longitude:
Sampled by: T Thompson	Checked by: T Wright — License #: 7972

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in.) (BD): 6 8 10 12 10	
Casing Diameter (in.) (CD): 2 4 6 8 4	
Total Well Depth (ft.) (WD): 51.96	Product thickness (ft.): Ø
Static Water Level (ft.) (SWL): 43.29	Time measured: 1630
Water Column (ft.) (WC=WD-SWL): 8.67	Filter Pack Porosity (P): 30

Borehole Volume (BV) Calculations

BV (gal) = 0.041 [CD^2 + P (BD^2-CD^2)](WC)

This equation applies to wells constructed straddling the water table only. For submerged screens, document all calculations. Porosity is expressed in decimal form. **BV =** 14.65 **gallons**

PURGING & SAMPLING EQUIPMENT

Water Level Meter Type and ID: Heron OWIP

Purging Equipment/Method: Bladder Pump ___ Bailer ___ Centrifugal Pump X Other ___

pH/Temp/Conductivity Meter Type and ID: Horiba U22XD

Sampler Type: ___ Teflon Bailer X Disposable Bailer ___ Bladder Pump ___ Centrifugal Pump ___ Other: ___

Decontamination Method: ___ Steam/High Pressure Wash X 3 Stage (Alconox, tap water & DI rinse) ___ Other: ___

PURGING AND SAMPLING METHODOLOGIES

Well Recovery Type

___ Fast -recovers 80% within 2 hours -Methods 1, 2, 3, & 5 X Slow - more than 2 hours to recover 80% -Methods 3, 4, & 5

PURGING METHODS

___ Method 1, remove 3 BV, sample after well recovers 80% of total purged drawdown.

___ Method 2, remove 1 BV, test parameters until stable per SAM Manual, sample after well recovers 80% of total purged drawdown.

___ Method 3, Low-flow - install pump at least 2 hours prior to start of purging. Follow detailed methodology in SAM Manual.

List the date and time the pump was installed: Date:_____ Time:_____

___ Method 4, remove 1 BV, sample after 2 hours. Note - if well recovers 80% of total purged drawdown, use another method.

X Method 5, non-purge method. Only with prior written approval from SAM - Well DID NOT recharge after purging

PURGING INFORMATION

Time	Water Level (feet below top of casing)	Drawdown (feet)	Water Volume Purged (gal)	Measured Parameters: Conductivity (µmhos)	Dissolved Oxygen	pH	Turbidity	Temp (°C)
1810								
1815	46.55	3.26	0.5	2.86	10.74	6.26	-10.0	26.43
1821	49.50	6.21	5	2.99	6.24	6.05	-10.0	26.62
1823	Dry	8.67	6					
2023	49.85							

Borehole Volume: 14.65 (gal) Total Volume Purge Water: 6 (gal) Average pumping rate: 0.46 (gpm)

RECOVERY CALCULATIONS

Recovery of 80% of drawdown from purging = SWL + (0.2)(Maximum Drawdown during purging) 45.02

SAMPLING INFORMATION

Pre purge Sample

Date & Time Sampled: 10/1/07 @ 1715 Depth to water at time of sampling (feet): 43.29

Quantity	Container Type	Filtered (Y/N)	Sample Preservatives	Analytical Methods to Perform
3	Voa	N	–	BTEX + OXYs + Napth
3	Voa	N	–	TPH (TPHav + TPHjet A)
1	1 Liter Amber	N	–	BTEX + Oxy's + Napth
1	1 Liter Amber	N	–	TPH (TPHav + TPHjet A)

Note: After 2 hours from purge the DTW = 49.85', unable to sample post purging

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

WELL PURGING/SAMPLING LOG

Project Name: Western Flight | Well No.: MW2
Project Number: 01205558.02 | Date: 10/1/07
Project Address: 2100 Palomar Airport Rd. Carlsbad, CA 92008
Well GPS: Latitude: Longitude:
Sampled by: TT | Checked by: T Wright | License #: 7972 PG

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in.) (BD): 6 8 10 12 10
Casing Diameter (in.) (CD): 2 4 6 8 4
Total Well Depth (ft.) (WD): 50.85
Product thickness (ft.): 0
Static Water Level (ft.) (SWL): 38.70
Time measured: 1645
Water Column (ft.) (WC=WD-SWL): 12.15
Filter Pack Porosity (P): 0.30

Borehole Volume (BV) Calculations

$$BV\ (gal) = 0.041\ |CD^2 + P\ (BD^2 - CD^2)|(WC)$$

This equation applies to wells constructed straddling the water table only. For submerged screens, document all calculations. Porosity is expressed in decimal form. BV = 20.4 gallons

PURGING & SAMPLING EQUIPMENT

Water Level Meter Type and ID: Heron OWIP
Purging Equipment/Method: Bladder Pump ___ Bailer ___ Centrifugal Pump [X] Other ___
pH/Temp/Conductivity Meter Type and ID: Horiba U22-XD
Sampler Type: ___ Teflon Bailer [X] Disposable Bailer ___ Bladder Pump ___ Centrifugal Pump ___ Other: ___
Decontamination Method: ___ Steam/High Pressure Wash [X] 3 Stage (Alconox, tap water & DI rinse) ___ Other: ___

PURGING AND SAMPLING METHODOLOGIES

Well Recovery Type

[ ] Fast -recovers 80% within 2 hours -Methods 1, 2, 3, & 5 [X] Slow - more than 2 hours to recover 80% -Methods 3, 4, & 5

PURGING METHODS

___ Method 1, remove 3 BV, sample after well recovers 80% of total purged drawdown.
___ Method 2, remove 1 BV, test parameters until stable per SAM Manual, sample after well recovers 80% of total purged drawdown.
___ Method 3, Low-flow - install pump at least 2 hours prior to start of purging. Follow detailed methodology in SAM Manual.
List the date and time the pump was installed: Date:_____ Time:_____
___ Method 4, remove 1 BV, sample after 2 hours. Note - if well recovers 80% of total purged drawdown, use another method.
[X] Method 5, non-purge method. Only with prior written approval from SAM

PURGING INFORMATION

Time	Water Level (feet below top of casing)	Drawdown (feet)	Water Volume Purged (gal)	Measured Parameters				
				Conductivity (µmhos)	Dissolved Oxygen	pH	Turbidity	Temp (°C)
start 1858								
1900	40.61	1.91	0.5	2.81	5.33	6.17	7.7	24.99
1904	44.0	5.3	5	2.60	4.66	6.02	5.1	27.65
1907	49.5	10.8	10	2.67	5.05	6.03	7.9	28.22
1910	Dry	11.54	11					

Borehole Volume: 20.4 (gal) | Total Volume Purge Water: 11 (gal) | Average pumping rate: 0 (gpm)

RECOVERY CALCULATIONS

Recovery of 80% of drawdown from purging = SWL + (0.2)(Maximum Drawdown during purging)

SAMPLING INFORMATION

Date & Time Sampled: 10/1/07 @ 1730 | Depth to water at time of sampling (feet): 38.70

Quantity	Container Type	Filtered (Y/N)	Sample Preservatives	Analytical Methods to Perform
3	VOA	n	--	BTEX + OXY + napth
3	VOA	n	--	TPH gas + diesel
2	1 liter amber	n	--	TPH gas + diesel

Notes: After 2 hrs depth to water = 48.99, unable to collected sample post purging.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

WELL PURGING/SAMPLING LOG

Project Name: Western Flight | Well No.: MW3
Project Number: 01205558.02 | Date: 10/1/07
Project Address: 2100 Palomar Airport Rd, Carlsbad, CA 92008
Well GPS: Latitude: Longitude:
Sampled by: TT | Checked by: T Wright | License #: 7972 PG

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in.) (BD): 6 8 10 12 10
Casing Diameter (in.) (CD): 2 4 6 8 4
Total Well Depth (ft.) (WD): 50.24 | Product thickness (ft.): 0
Static Water Level (ft.) (SWL): 41.07 | Time measured: 1640
Water Column (ft.) (WC=WD-SWL): 9.17 | Filter Pack Porosity (P): 0.30

Borehole Volume (BV) Calculations

$BV\ (gal) = 0.041\ |CD^2 + P\ (BD^2\text{-}CD^2)|(WC)$

This equation applies to wells constructed straddling the water table only. For submerged screens, document all calculations. Porosity is expressed in decimal form. BV = 15.4 **gallons**

PURGING & SAMPLING EQUIPMENT

Water Level Meter Type and ID: Heron OWIP
Purging Equipment/Method: Bladder Pump ___ Bailer ___ Centrifugal Pump [X] Other ___
pH/Temp/Conductivity Meter Type and ID: Horiba U22-XD
Sampler Type: ___ Teflon Bailer [X] Disposable Bailer ___ Bladder Pump ___ Centrifugal Pump ___ Other: ___
Decontamination Method: ___ Steam/High Pressure Wash [X] 3 Stage (Alconox, tap water & DI rinse) ___ Other: ___

PURGING AND SAMPLING METHODOLOGIES

Well Recovery Type

[ ] Fast -recovers 80% within 2 hours -Methods 1, 2, 3, & 5 [X] Slow - more than 2 hours to recover 80% -Methods 3, 4, & 5

PURGING METHODS

[ ] Method 1, remove 3 BV, sample after well recovers 80% of total purged drawdown.
[ ] Method 2, remove 1 BV, test parameters until stable per SAM Manual, sample after well recovers 80% of total purged drawdown.
[ ] Method 3, Low-flow - install pump at least 2 hours prior to start of purging. Follow detailed methodology in SAM Manual.
List the date and time the pump was installed: Date:_____ Time:_____
[ ] Method 4, remove 1 BV, sample after 2 hours. Note - if well recovers 80% of total purged drawdown, use another method.
[X] Method 5, non-purge method. Only with prior written approval from SAM

PURGING INFORMATION

Time	Water Level (feet below top of casing)	Drawdown (feet)	Water Volume Purged (gal)	Measured Parameters: Conductivity (µmhos)	Dissolved Oxygen	pH	Turbidity	Temp (°C)
start 1835								
1838	42.72	1.65	0.5	2.57	5.75	6.12	10	23.10
1842	45.65	4.58	5	2.55	5.99	6.39	22.6	22.8
1846	48.46	7.39	10	2.53	6.10	6.43	25.0	22.53
1847	Dry	9.78	10.5					

Borehole Volume: 15.4 (gal) | Total Volume Purge Water: 10.5 (gal) | Average pumping rate: 0.875 (gpm)

RECOVERY CALCULATIONS

Recovery of 80% of drawdown from purging = SWL + (0.2)(Maximum Drawdown during purging)

SAMPLING INFORMATION

Date & Time Sampled: 10/1/07 @ 1745 | Depth to water at time of sampling (feet): 41.07

Quantity	Container Type	Filtered (Y/N)	Sample Preservatives	Analytical Methods to Perform
3	VOA	n	--	BTEX + OXY + napth
3	VOA	n	--	TPH gas + diesel
2	1 liter amber	n	--	TPH gas + diesel

Notes: After 2 hrs depth to water = 49.59, unable to collected sample post purging.

NON-HAZARDOUS WASTE MANIFEST

N N-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No | Manifest Document No | 2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone ( )

5. Transporter 1 Company Name | 6. US EPA ID Number | A. State Transporter's ID | B. Transporter 1 Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | C. State Transporter's ID | D. Transporter 2 Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | E. State Facility's ID | F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a.				
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations

Printed/Typed Name | Signature | Date: Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name | Signature | Date: Month Day Year

NON-HAZARDOUS WASTE

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NC HAZARDOUS WASTE MAN EST

pe (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address

4. Generator's Phone ( )

5. Transporter 1 Company Name	6. US EPA ID Number	A. State Transporter's ID
		B. Transporter 1 Phone
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID
		D. Transporter 2 Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	E. State Facility's ID
		F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a.	12			
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
		11	01	07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
		11	01	07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year

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ANALYTICAL DATA
AND
CHAIN-OF-CUSTODY
DOCUMENTATION

MOBILE GEOCHEMISTRY

H&P

16 March 2007

Mr. Tom Wright
SCS Engineers - San Diego
8799 Balboa Avenue, Suite 290
San Diego, CA 92123
RE: SCS030907-10

Enclosed are the results of analyses for samples received by the laboratory on 09-Mar-07 . If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rebecca L Johnson for

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry operates under CA Environmental Lab Accreditation Program Numbers 1317, 1561, 1667, 1745, 1746, 2088, 2278, 2543, 2579 and 2595.

2470 Impala Drive, Carlsbad, California 92010 | 760.804.9678 — Fax 760.804.9159
3825 Industry Avenue, Lakewood, California 90712 | 562.426.6991 — Fax 562.426.6995
www.HandPmg.com | 1-800-834-9888

MOBILE GEOCHEMISTRY
H&P

SCS Engineers - San Diego	Project: SCS030907-10	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	16-Mar-07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW2-20	E703031-04	Soil	05-Mar-07	09-Mar-07
MW2-25	E703031-05	Soil	05-Mar-07	09-Mar-07
MW2-30	E703031-06	Soil	05-Mar-07	09-Mar-07
MW2-35	E703031-07	Soil	05-Mar-07	09-Mar-07
MW2-40	E703031-08	Soil	05-Mar-07	09-Mar-07
MW2-45	E703031-09	Soil	05-Mar-07	09-Mar-07
MW2-50	E703031-10	Soil	05-Mar-07	09-Mar-07
SCSB5-20	E703031-14	Soil	06-Mar-07	09-Mar-07
SCSB5-25	E703031-15	Soil	06-Mar-07	09-Mar-07
SCSB5-30	E703031-16	Soil	06-Mar-07	09-Mar-07
SCSB5-35	E703031-17	Soil	06-Mar-07	09-Mar-07
SCSB5-40	E703031-18	Soil	06-Mar-07	09-Mar-07
SCSB5-45	E703031-19	Soil	06-Mar-07	09-Mar-07
SCSB5-50	E703031-20	Soil	06-Mar-07	09-Mar-07
SCSB5-55	E703031-21	Soil	06-Mar-07	09-Mar-07

The TPH chromatograms were examined for aviation gas and jet fuel, and neither were present in the samples.

MOBILE GEOCHEMISTRY H&P

SCS Engineers - San Diego	Project: SCS030907-10	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	16-Mar-07

Volatile Organic Compounds by EPA Method 8260B/5030

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW2-40 (E703031-08) Soil Sampled: 05-Mar-07 Received: 09-Mar-07									
Benzene	ND	5.0	ug/kg	0.5	EC71506	15-Mar-07	15-Mar-07	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*118 %*		*65-135*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*125 %*		*52-149*	"	"	"	"	
Surrogate: Toluene-d8		*96.0 %*		*65-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*118 %*		*65-135*	"	"	"	"	
SCSB5-30 (E703031-16) Soil Sampled: 06-Mar-07 Received: 09-Mar-07									
Benzene	ND	5.0	ug/kg	0.5	EC71506	15-Mar-07	15-Mar-07	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*		*65-135*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*52-149*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*65-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*65-135*	"	"	"	"	

MOBILE GEOCHEMISTRY H&P

SCS Engineers - San Diego	Project: SCS030907-10	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	16-Mar-07

TPH by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW2-20 (E703031-04) Soil Sampled: 05-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
MW2-25 (E703031-05) Soil Sampled: 05-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
MW2-30 (E703031-06) Soil Sampled: 05-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
MW2-35 (E703031-07) Soil Sampled: 05-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
MW2-40 (E703031-08) Soil Sampled: 05-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
MW2-45 (E703031-09) Soil Sampled: 05-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
MW2-50 (E703031-10) Soil Sampled: 05-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	

MOBILE GEOCHEMISTRY H&P

SCS Engineers - San Diego	Project: SCS030907-10	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	16-Mar-07

TPH by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SCSB5-20 (E703031-14) Soil Sampled: 06-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
SCSB5-25 (E703031-15) Soil Sampled: 06-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
SCSB5-30 (E703031-16) Soil Sampled: 06-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
SCSB5-35 (E703031-17) Soil Sampled: 06-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
SCSB5-40 (E703031-18) Soil Sampled: 06-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
SCSB5-45 (E703031-19) Soil Sampled: 06-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
SCSB5-50 (E703031-20) Soil Sampled: 06-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

SCS Engineers - San Diego	Project: SCS030907-10	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	16-Mar-07

TPH by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SCSB5-55 (E703031-21) Soil Sampled: 06-Mar-07 Received: 09-Mar-07									
Gasoline (C5-C11)	ND	10	mg/kg	1	EC71404	14-Mar-07	14-Mar-07	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	

MOBILE GEOCHEMISTRY H&P

SCS Engineers - San Diego	Project: SCS030907-10	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	16-Mar-07

Volatile Organic Compounds by EPA Method 8260B/5030 - Quality Control

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC71506 - EPA 5030										
Blank (EC71506-BLK1)				Prepared & Analyzed: 15-Mar-07						
Benzene	ND	5.0	ug/kg							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
Naphthalene	ND	5.0	"							
Surrogate: Dibromofluoromethane	*24.7*		"	*25.0*		*98.8*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*23.5*		"	*25.0*		*94.0*	*52-149*			
Surrogate: Toluene-d8	*25.6*		"	*25.0*		*102*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*25.0*		"	*25.0*		*100*	*65-135*			
Matrix Spike (EC71506-MS1)			**Source: E703031-16**	Prepared & Analyzed: 15-Mar-07						
Benzene	25.5	5.0	ug/kg	25.0	ND	102	65-135			
Toluene	25.8	5.0	"	25.0	ND	103	64-135			
Surrogate: Dibromofluoromethane	*27.1*		"	*25.0*		*108*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*28.0*		"	*25.0*		*112*	*52-149*			
Surrogate: Toluene-d8	*24.3*		"	*25.0*		*97.2*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*25.5*		"	*25.0*		*102*	*65-135*			
Matrix Spike Dup (EC71506-MSD1)			**Source: E703031-16**	Prepared & Analyzed: 15-Mar-07						
Benzene	26.6	5.0	ug/kg	25.0	ND	106	65-135	4.22	30	
Toluene	27.8	5.0	"	25.0	ND	111	64-135	7.46	30	
Surrogate: Dibromofluoromethane	*27.9*		"	*25.0*		*112*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*26.6*		"	*25.0*		*106*	*52-149*			
Surrogate: Toluene-d8	*25.8*		"	*25.0*		*103*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*24.9*		"	*25.0*		*99.6*	*65-135*			

MOBILE GEOCHEMISTRY H&P

SCS Engineers - San Diego	Project: SCS030907-10	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	16-Mar-07

TPH by GC FID - Quality Control

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC71404 - LUFT-DHS										
Blank (EC71404-BLK1)				Prepared & Analyzed: 14-Mar-07						
Gasoline (C5-C11)	ND	10	mg/kg							
Diesel (C12-C24)	ND	10	"							
Matrix Spike (EC71404-MS1)	**Source: E703031-21**			Prepared & Analyzed: 14-Mar-07						
Gasoline (C5-C11)	217	10	mg/kg	200	ND	108	67-125			
Diesel (C12-C24)	503	10	"	500	ND	101	67-125			
Matrix Spike Dup (EC71404-MSD1)	**Source: E703031-21**			Prepared & Analyzed: 14-Mar-07						
Gasoline (C5-C11)	201	10	mg/kg	200	ND	100	67-125	7.66	30	
Diesel (C12-C24)	506	10	"	500	ND	101	67-125	0.595	30	

MOBILE GEOCHEMISTRY
H&P

SCS Engineers - San Diego	Project: SCS030907-10	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	16-Mar-07

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

MOBILE GEOCHEMISTRY

H&P → Carlsbad

Chain of Custody Record

☐ ~~148 S. Vinewood~~ St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469

☐ ~~432 N. Cedros~~ Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date:

H&P Project # SCS030907-10

Outside Lab:

Client: SCS Engineers

Address: 8799 Balboa Ave Ste290

San Diego, CA

Phone: 858 571 5500 Fax: 858 571 5357

Collector: TWRIGHT Page: 1 Of 2

Client Project # 01205558.02 Project Manager TWRIGHT

Location: 2100 Palomar Airport Rd, Carlsbad, CA

Turn around time: Normal

Global ID: T0607300994 EDF: (Yes) No

run MW2-40 per TW - Ave 3/15/07

Sample Receipt

Intact: ☐ Yes ☐ No

Seal Intact: ☐ Yes ☐ No ☐ N/A

Cold: ☐ Yes ☐ No

N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases	TPH Avgas	TPH Jet A	Total # of containers
MW2-5	MW2	5	730	3/5/07	Soil	Sleeve														
MW2-10		10	800	3/5/07																
MW2-15		15	815																	
MW2-20		20	835																	1
MW2-25		25	845																	1
MW2-30		30	930																	1
MW2-35		35	1045																	1
MW2-40		40	1125																	1
MW2-45		45	1225																	1
MW2-50		50	1250																	1

Run Highest TPH hit for BTEX + Naphtha 8260

Relinquished by: (Signature)	(company) SCS	Received by: (Signature)	(company) H&P	Date: 03/09/07	Time: 07:15
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

→ Carlsbad

☐ ~~148 S. Vinewood~~ St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469

☐ ~~432 N. Cedros~~ Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date:

H&P Project # SCS030907-10

Outside Lab:

Client: SCS Engineers

Address: 8799 Balboa Ave Ste 290
SD, CA 92123

Phone: 858 571 5500 Fax: 858 571 5357

Collector: Twright

Page: 2 Of 2

Client Project # 01205558.02

Project Manager Twright

Location: 2100 Palomar Airport Rd

Turn around time: Normal

Global ID: T0607300994

EDF: Yes / No

run SCSB5-30 per Tom Wright - AR 3/15/07

Sample Receipt

Intact: ☒ Yes ☐ No

Cooler Seal Intact: ☒ Yes ☐ No ☒ N/A

Cold: ☒ Yes ☐ No

N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B BTEX / Oxygenates	8260B Oxygenates	8260B VOC's	8260B VOC's and Oxygenates	Methane	Fixed Gases		TPH Avgas	TPH Jet A				Total # of containers
SCSB5-5	SCSB5	5	815	3/6/07	Soil	Sleeve																		
SCSB5-10		10	816																					
SCSB5-15		15	823																					
SCSB5-20		20	830																X	X				1
SCSB5-25		25	837																X	X				1
SCSB5-30		30	850																X	X				1
SCSB5-35		35	900																X	X				1
SCSB5-40		40	905																X	X				1
SCSB5-45		45	920																X	X				1
SCSB5-50		50	935																X	X				1
SCSB5-55		55	1003																X	X				1

Run highest TPH for BTEX + Naphtha (8260)

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	SCS	[signature]	H&P	03/09/07	07:15

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

18 December 2007

Mr. Tom Wright
SCS Engineers - San Diego
8799 Balboa Avenue, Suite 290
San Diego, CA 92123
RE: SCS100307-11

Enclosed are the results of analyses for samples received by the laboratory on 03-Oct-07 . If you have any questions concerning this report, please feel free to contact me.

Sincerely,

J Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry operates under CA Environmental Lab Accreditation Program Numbers 1317, 1561, 1667, 1745, 1746, 2088, 2278, 2543, 2579 and 2595.

2470 Impala Drive, Carlsbad, California 92010 ┌ 760.804.9678 — Fax 760.804.9159
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MOBILE GEOCHEMISTRY
H&P

SCS Engineers - San Diego	Project: SCS100307-11	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar AP Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Dec-07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW1	E710008-01	Water	01-Oct-07	03-Oct-07
MW2	E710008-02	Water	01-Oct-07	03-Oct-07
MW3	E710008-03	Water	01-Oct-07	03-Oct-07

MOBILE GEOCHEMISTRY
H&P

SCS Engineers - San Diego	Project: SCS100307-11	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar AP Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Dec-07

Volatile Organic Compounds by EPA Method 8260B/5030

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW1 (E710008-01) Water Sampled: 01-Oct-07 Received: 03-Oct-07									
Methyl tert-butyl ether	ND	1.0	ug/l	0.1	EJ70303	03-Oct-07	03-Oct-07	EPA 8260B	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Benzene	24	0.5	"	"	"	"	"	"	
Toluene	8200	500	"	100	"	"	03-Oct-07	"	
Ethylbenzene	20	0.5	"	0.1	"	"	03-Oct-07	"	
m,p-Xylene	43	1.0	"	"	"	"	"	"	
o-Xylene	61	0.5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
Naphthalene	37	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*		*75-125*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*123 %*		*62-139*		"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*		*75-125*		"	"	"	
MW2 (E710008-02) Water Sampled: 01-Oct-07 Received: 03-Oct-07									
Methyl tert-butyl ether	ND	1.0	ug/l	0.1	EJ70303	03-Oct-07	03-Oct-07	EPA 8260B	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.5	"	"	"	"	"	"	
Toluene	ND	0.5	"	"	"	"	"	"	
Ethylbenzene	ND	0.5	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*		*75-125*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*122 %*		*62-139*		"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*115 %*		*75-125*		"	"	"	

MOBILE GEOCHEMISTRY H&P

SCS Engineers - San Diego	Project: SCS100307-11	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar AP Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Dec-07

Volatile Organic Compounds by EPA Method 8260B/5030

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW3 (E710008-03) Water Sampled: 01-Oct-07 Received: 03-Oct-07									
Methyl tert-butyl ether	10	1.0	ug/l	0.1	EJ70303	03-Oct-07	03-Oct-07	EPA 8260B	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Benzene	21	0.5	"	"	"	"	"	"	
Toluene	390	5.0	"	1	"	"	08-Oct-07	"	
Ethylbenzene	20	0.5	"	0.1	"	"	03-Oct-07	"	
m,p-Xylene	6.6	1.0	"	"	"	"	"	"	
o-Xylene	7.1	0.5	"	"	"	"	"	"	
Tert-butyl alcohol	650	5.0	"	"	"	"	"	"	
Naphthalene	5.0	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*62-139*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

SCS Engineers - San Diego	Project: SCS100307-11	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar AP Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Dec-07

TPH by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW1 (E710008-01) Water Sampled: 01-Oct-07 Received: 03-Oct-07									
Gasoline (C5-C11)	9300	500	ug/l	1	EJ70305	03-Oct-07	03-Oct-07	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
MW2 (E710008-02) Water Sampled: 01-Oct-07 Received: 03-Oct-07									
Gasoline (C5-C11)	ND	500	ug/l	1	EJ70305	03-Oct-07	03-Oct-07	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
MW3 (E710008-03) Water Sampled: 01-Oct-07 Received: 03-Oct-07									
Gasoline (C5-C11)	1400	500	ug/l	1	EJ70305	03-Oct-07	03-Oct-07	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	

MOBILE GEOCHEMISTRY H&P

SCS Engineers - San Diego	Project: SCS100307-11	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar AP Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Dec-07

Volatile Organic Compounds by EPA Method 8260B/5030 - Quality Control

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ70303 - EPA 5030										
Blank (EJ70303-BLK1)				Prepared & Analyzed: 03-Oct-07						
Methyl tert-butyl ether	ND	1.0	ug/l							
Di-isopropyl ether	ND	1.0	"							
Ethyl tert-butyl ether	ND	1.0	"							
Tert-amyl methyl ether	ND	1.0	"							
Benzene	ND	0.5	"							
Toluene	ND	0.5	"							
Ethylbenzene	ND	0.5	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.5	"							
Tert-butyl alcohol	ND	5.0	"							
Naphthalene	ND	1.0	"							
Surrogate: Dibromofluoromethane	*5.22*		"	*5.00*		*104*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*5.40*		"	*5.00*		*108*	*62-139*			
Surrogate: Toluene-d8	*5.07*		"	*5.00*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*6.37*		"	*5.00*		*127*	*75-125*			*S-09*
Matrix Spike (EJ70303-MS1)		**Source: E710008-02**		Prepared & Analyzed: 03-Oct-07						
Benzene	4.80	0.5	ug/l	5.00	0.2	92.0	75-125			
Toluene	5.12	0.5	"	5.00	0.4	94.4	74-125			
Surrogate: Dibromofluoromethane	*5.18*		"	*5.00*		*104*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*5.79*		"	*5.00*		*116*	*62-139*			
Surrogate: Toluene-d8	*4.89*		"	*5.00*		*97.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*5.49*		"	*5.00*		*110*	*75-125*			
Matrix Spike Dup (EJ70303-MSD1)		**Source: E710008-02**		Prepared & Analyzed: 03-Oct-07						
Benzene	4.88	0.5	ug/l	5.00	0.2	93.6	75-125	1.65	20	
Toluene	4.77	0.5	"	5.00	0.4	87.4	74-125	7.08	20	
Surrogate: Dibromofluoromethane	*5.50*		"	*5.00*		*110*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*5.99*		"	*5.00*		*120*	*62-139*			
Surrogate: Toluene-d8	*5.41*		"	*5.00*		*108*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*5.93*		"	*5.00*		*119*	*75-125*			

MOBILE GEOCHEMISTRY H&P

SCS Engineers - San Diego	Project: SCS100307-11	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar AP Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Dec-07

Volatile Organic Compounds by EPA Method 8260B/5030 - Quality Control

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch EJ70303 - EPA 5030

MOBILE GEOCHEMISTRY
H&P

SCS Engineers - San Diego	Project: SCS100307-11	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar AP Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Dec-07

TPH by GC FID - Quality Control

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ70305 - LUFT-DHS										
Blank (EJ70305-BLK1)				Prepared & Analyzed: 03-Oct-07						
Gasoline (C5-C11)	ND	500	ug/l							
Diesel (C12-C24)	ND	500	"							
LCS (EJ70305-BS1)				Prepared & Analyzed: 03-Oct-07						
Gasoline (C5-C11)	1620	500	ug/l	2000		81.0	75-125			
Diesel (C12-C24)	5000	500	"	5000		100	75-125			
LCS Dup (EJ70305-BSD1)				Prepared & Analyzed: 03-Oct-07						
Gasoline (C5-C11)	1740	500	ug/l	2000		87.0	75-125	7.14	30	
Diesel (C12-C24)	5260	500	"	5000		105	75-125	5.07	30	

MOBILE GEOCHEMISTRY
H&P

SCS Engineers - San Diego	Project: SCS100307-11	
8799 Balboa Avenue, Suite 290	Project Number: 01205558.02 / 2100 Palomar AP Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Dec-07

Notes and Definitions

S-09	Surrogate recovery is outside of established control limits. Corrective action was taken.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 10/03/07

H&P Project # SCS100307-11

Outside Lab:

Proj. I.D. 01205558.02

Client: SCS Engineers

Address: 8799 Balboa Ave. Ste. 290

San Diego, CA 92123

Phone: (858) 571-5500 Fax: (858) 571-5357

Collector: T. Thompson

Client Project # ~~015522.02.02~~

Location: 2100 Palomar Airport Rd Carlsbad, CA 92008

Page: 1 Of 1

Project Manager: T. Wright

Turn around time: Normal

Global ID: T0607300994 EDF: (Yes) / No

Sample Receipt

Intact: X Yes ☐ No

Seal Intact: ☐ Yes ☐ No X N/A

Cold: X Yes ☐ No 1°C

N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates + Naphthalene	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases	TPH (EPA 8015) (TPHgas + TPHdies) & DHS LUFT manual						Total # of containers
MW1	MW1		1715	10/1/07	Water	6 Voa 2 Amber						X						X						6/2
MW2	MW2		1730	"	"	"						X						X						6/2
MW3	MW3		1745	"	"	"						X												6/2

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: 10/3/07	Time: 0700
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time

*Signature constitutes authorization to proceed with analysis and acceptance of conditions on back.

Sample disposal instruction: ☒ Dispose @ $2.00 each ☐ Return to client ☐ Pickup

2198 Palomar Airport Road

Detailed Description: SD CO OF PALOMAR AIRPORT LANDFILL

Record Status: Active

Contacts

APCD Equipment Location	SD Co of Palomar Airport Landfill	2198 Palomar Airport Rd	Carlsbad, CA	92008	7604314646
APCD Invoice Mailing	San Diego Co of DPW Landfill Mgmt	5510 Overland Ave., Ste 210, MS 0383	San Diego, CA	92123	8584955480
APCD PTO Mailing	San Diego Co of DPW Landfill Mgmt	5510 Overland Ave., Ste 210, MS 0383	San Diego, CA	92123	858-495-5480

Military Base	No	Type Ownership:	Government Agency	
Military Activity	No	Name of Legal Owner:		
PERP	No	TPY:	No	
Title V	No	Inspection Sectors:	15	**Parcel #: 760-221-87-00**
SIC:	0	VAX Site ID:	88136 A	
Inspection Month:	7	Source Test Alias:		
Renewal Month:	1	Expiration Month:	4/2016	
Frequency:	-	Delinquent Month::		
Site Status:	A			

Open Applications:	0	Active Permits:	2	Breakdowns:	2	Notices of Violation:	6
Approved Applications:	2	Approved Permits:	0	Corrective Actions:	0	Notices to Comply:	0
Cancelled Applications:	0	Retired Permits:	0	Complaints:	1	Notices to Repair:	0
Denied Applications:	0			Hearing Board Items:	7	Title V:	0
				Jobs:	0	Vapor Recovery Test:	0

Parent: APCD1991-APP-910733 **Equipment Type:** [48C] Waste Disposal Site/Landfill **Units:** 1 **Status:** Active

BEC: 10343 **LEGACY BEC:** 10343 **Opened:**07/31/2009

Permit Description: AN INACTIVE LANDFILL EQUIPPED WITH A GAS COLLECTION, MONITORING, AND FLARE SYSTEM CONSISTING OF COLLECTION WELLS, MIGRATION PROBES, AN ENCLOSED FLARE, AND TWO BLOWERS. FLARE STATION CONTROL EQUIPMENT SHALL INCLUDE A FLAME ARRESTOR, AN OPTICAL FLAME DETECTOR, AN AUTOMATIC SHUT OFF DEVICE, AN IN-LINE OXYGEN ANALYZER, A FLOW METER, AND A STACK THERMOCOUPLE. (APPS 910733-920333 / DB / 4-96 / REV 7-98)

Notes:

Inspection Frequency: - **Expiration:** 1/31/2017 **Expiration Status:**Active

Source Test: - **Source Test Frequency:**

Conditions

#	Name	Description
1	C11	This permit, or copy thereof, including the permit conditions, shall be attached to or accompany the equipment at all times.
2	C22516	No new waste shall be accepted into this landfill. Excavated material from the same landfill shall not be considered new waste.
3	C2614	The equipment shall be properly maintained in good working condition at all times. Calibration and maintenance records required by this permit shall be retained for at least three (3) years and be made available to the district on request.
4	C20728	The flow rate of landfill gas into the flare shall not exceed 425 SCFM. A meter shall be installed at the flare station which measures and displays the landfill gas flow rate. Permittee shall calibrate this meter at least biennially.
5	C2548	There shall be no leaks of landfill gas from the collection system and flare equipment in excess of 1375 PPMV (measured as methane) at a distance of ½ inch from the transfer path, other than non-repeatable, momentary readings. This requirement does not apply during active maintenance, repair, or sampling activities.
6	C2549	There shall be no release of leachate or condensate from any part of the landfill, landfill gas collection system, or flare station which results in the discharge of odors, toxic air contaminants, or reactive organic compounds to the atmosphere.
7	C2550	The gas collection system shall be maintained, adjusted, and operated on a schedule and in a manner such that the concentration of landfill gas does not exceed 500 PPMV (as methane) at any point immediately above the surface of the landfill except areas actively involved in waste excavation, cover maintenance, equipment repair, well installation, sampling, or testing.
8	C2551	The permittee shall operate, adjust, and maintain the gas collection system to prevent excessive quantities of air from being drawn into the landfill. An oxygen analyzer, designed to be accurate to +/- 0.5% by volume, shall be installed in the collection piping at the flare station, maintained in good working condition, and calibrated at least biennially. The concentration of oxygen in landfill gas at the flare station shall not exceed 3.5% by volume. Analyzer calibration records shall be maintained for at least five years and made available to the district upon request.
9	C2691	Except for a flare ignition and startup not to exceed 15 minutes, permittee shall ensure complete combustion of landfill gases during operation by maintaining the stack gas exit temperature at no less than 1500 °F or as otherwise specified by the flare manufacturer. Supplemental fuel (natural gas or propane) shall be added as necessary to maintain the required stack gas exit temperature.
10	C2557	A thermocouple, designed to be accurate to 50 °F at 1500 °F, shall be installed in the flare stack and maintained in good working condition. The temperature of the exhaust gas in the flare stack shall be displayed at the flare station during incineration.

11	C586	A shut-off valve shall be in place and maintained at each well head.
12	C2617	An automatic shut-off device shall stop the flow of landfill gas to the flare whenever conditions of flame-out, excessive exhaust gas temperature (>1800 °F), or excessive landfill gas oxygen content (>3.5% by volume) occur.
13	C2554	The permittee shall inspect each off-site gas migration probe with a combustible gas indicator for the presence of methane on a minimum quarterly basis and retain records. Inspection records shall be made available to the district on request.

Inspection	Date	Inspector	Status
Routine	8/20/2015	Kent Mesplay	Completed
Routine	8/18/2015	Kent Mesplay	Completed
Routine	8/14/2015	Kent Mesplay	Completed
Routine	8/11/2015	Kent Mesplay	Completed
Routine	8/5/2015	Kent Mesplay	Completed
Routine	12/19/2013	Daniella Gutierrez	Completed
Routine	12/18/2013	Daniella Gutierrez	Completed
Routine	12/10/2013	Daniella Gutierrez	Completed
Routine	11/19/2013	Daniella Gutierrez	Completed
Routine	7/18/2012	Miguel Reynoso Jauregui	Completed
Routine	7/17/2012	Miguel Reynoso Jauregui	Completed
PTO Joint Inspection	7/17/2012	Daniella Gutierrez	Completed
Routine	7/16/2012	Miguel Reynoso Jauregui	Completed

Version History

Version Number	Revision Date	Application	Site	Reason
1	5/16/2011	APCD1991-APP-910733	APCD1989-SITE-07456	Renewal
2	3/9/2012	APCD1992-APP-920333	APCD1989-SITE-07456	Renewal

Parent: APCD2004-CER-981592 **Status:** Active

BEC: **LEGACY BEC:** 12692 **Opened:**07/31/2009

Permit Description: GROUNDWATER TREATMENT OPERATIONS CONSISTING OF A 6500 GAL ABOVE GROUNDSTORAGE TANK EQUIPPED WITH AN AIR STRIPPER AND ACTIVATED CARBON UNITS.

Notes:

Inspection Frequency: - **Expiration:** 1/31/2050 **Expiration Status:**Expired

Source Test: - **Source Test Frequency:**

Conditions

#	Name	Description

Inspection	Date	Inspector	Status
Routine	8/21/2015	Kent Mesplay	Completed
Routine	8/11/2015	Kent Mesplay	Completed
Routine	8/5/2015	Kent Mesplay	Completed

Version History

Version Number	Revision Date	Application	Site	Reason

Parent: APCD1989-SITE-07456

Status: Approved

Record Type: LUEG-APCD/Administrative/Legacy Data/Uncategorized

VAX ID: 920333

Source Category:

Additional Information : -

Assigned to: -

Time & Material: -

Addresss: 2198 Palomar Airport Rd, Carlsbad 92008
Date Submitted: 10/7/1992
Reason for Submittal: -
Expedited Application: -

Inspection	Date	Inspector	Status

Workflow

Task	Status	Date	Action By:
Application Acceptance			
Completeness Determination			
Approve Authority to Construct			
Issue Authority to Construct			
Issue Startup Authorization			
Issue Permit to Operate			

Parent: APCD1989-SITE-07456

Status: Approved

Record Type: LUEG-APCD/Permit App/Waste Disposal and Reclamation/NA

VAX ID: -

Source Category:

Additional Information : -

Assigned to: -

Time & Material: Yes

Addresss: 2198 Palomar Airport Rd, Carlsbad 92008
Date Submitted: 12/18/1991
Reason for Submittal: N
Expedited Application: -

Inspection	Date	Inspector	Status

Workflow

Task	Status	Date	Action By:
Application Acceptance		10/14/1996	
Completeness Determination		10/14/1996	
Approve Authority to Construct		10/14/1996	
Issue Authority to Construct		10/14/1996	
Issue Startup Authorization		10/14/1996	
Issue Permit to Operate		10/14/1996	

Parent: APCD1998-PTO-910733
Recieved by: Brian Duffy
Title: Superintendent SCS

Status: Closed - Paid
Date Issued: 8/11/2015

Short Notes: 226788

Assigned to: Greg Gjerde (858) 586-2655
Compliance Date: 8/11/2015
Disposition: -

Violation Began: 8/11/2015
Violation Ends: -
Statute of Limitations: -

Pollutant in Violation: -
Pollutant that makes TV/SM: -
Variance: -

Count	Law Type	Category	Section	Rule	Description	Permit Cond#
1	District Rules	Permit to Operate	21	Permit Conditions	Not operating a landfill so that landfill gas above the surface does not exceed 500 ppmV (measure as methane). Specifically, the landfill surface emission at a crack in the pavement east of well #N5 in Area #1 measured in excess of 12,000 ppmV, methane.	7
1	District Rules	Landfills	59(d)(1)(ii)(A)	Landfill - Surface Emissions > 500 ppm	Not operating a landfill so that landfill gas above the surface does not exceed 500 ppmV (measure as methane). Specifically, the landfill surface emission at a crack in the pavement east of well #N5 in Area #1 measured in excess of 12,000 ppmV, methane.	

Inspection	Date	Inspector	Status

Parent: APCD1998-PTO-910733
Recieved by: Jason Foroa
Title: Sr. Civil Engineer

Status: Closed-Void
Date Issued: 7/18/2012

Short Notes: 223695

Assigned to: Greg Gjerde (858) 586-2655
Compliance Date: -
Disposition: -

Violation Began: 7/17/2012
Violation Ends: -
Statute of Limitations: -

Pollutant in Violation: -
Pollutant that makes TV/SM: -
Variance: -

Count	Law Type	Category	Section	Rule	Description	Permit Cond#
1	District Rules	Permit to Operate	21	Permit Conditions	Failing to operate landfill in a manner in which methane concentration at the landfill surface are maintained at less than 500 ppm (measured as methane) at a disance of 2 inches off the ground.	7
1	District Rules	Landfills	59(d)(1)(ii)(A)	Landfill - Surface Emissions > 500 ppm	Specifically, by having a landfill surface emission measuring 590-1900 ppm located next to extraction well N-15 in Area #2 of the landfill.	

Inspection	Date	Inspector	Status
NOV Follow Up Inspection	7/24/2012	Miguel Reynoso Jauregui	Completed

APCD1989-SITE-07456

APCD2008-NOV-219405

Parent: APCD1998-PTO-910733

Recieved by:

Title:

Status: Closed - Paid

Date Issued: 7/21/2008

Short Notes:

Assigned to: Greg Gjerde (858) 586-2655

Compliance Date: -

Disposition: MS

Violation Began: 7/1/2004

Violation Ends: 12/31/2004

Statute of Limitations: -

Pollutant in Violation: -

Pollutant that makes TV/SM: -

Variance: -

Count	Law Type	Category	Section	Rule	Description	Permit Cond#

Inspection	Date	Inspector	Status

APCD1989-SITE-07456

APCD2002-NOV-213077

Parent: APCD1998-PTO-910733

Recieved by:

Title:

Status: Closed

Date Issued: 8/29/2002

Short Notes:

Assigned to: -

Compliance Date: 9/5/2002

Disposition: MS

Violation Began: 8/28/2002

Violation Ends: 8/29/2002

Statute of Limitations: -

Pollutant in Violation: -

Pollutant that makes TV/SM: -

Variance: -

Count	Law Type	Category	Section	Rule	Description	Permit Cond#

Inspection	Date	Inspector	Status

APCD1989-SITE-07456

APCD1999-NOV-208851

Parent: APCD1998-PTO-910733

Recieved by:

Title:

Status: Closed

Date Issued: 8/5/1999

Short Notes:

Assigned to: -

Compliance Date: -

Disposition: MS

Violation Began: 7/29/1999

Violation Ends: -

Statute of Limitations: -

Pollutant in Violation: -

Pollutant that makes TV/SM: -

Variance: -

Count	Law Type	Category	Section	Rule	Description	Permit Cond#

Inspection	Date	Inspector	Status

Parent: APCD1998-PTO-910733
Recieved by:
Title:
Status: Closed
Date Issued: 10/13/1998
Short Notes:

Assigned to: -
Compliance Date: -
Disposition: MS
Violation Began: 10/7/1998
Violation Ends: 10/9/1998
Statute of Limitations: -
Pollutant in Violation: -
Pollutant that makes TV/SM: -
Variance: -

Count	Law Type	Category	Section	Rule	Description	Permit Cond#

Inspection	Date	Inspector	Status

Parent: APCD2008-HBD-04234 **Opened Date:** 7/7/2008 **Hearing Date:** - **Petition #:** -

Status: Closed **Date Filed: 07/07/2008** **Initial NOV:** -

Type: -

Detailed Description:
-

Short Notes: -

Outcome: -

Facility Business Activity: INACTIVE MUNICIPAL SOLID WASTE LANDFILL

Equipment: LFG COLLECTION SYSTEM

Comment: GRANTED

Application / Permit Number: -

Assigned to:-

Contacts

62977272 APCD HB Petitioner , ,

Parent: APCD1998-PTO-910733 **Opened Date:** 6/26/2008 **Hearing Date:** - **Petition #:** -

Status: Closed **Date Filed: 06/26/2008** **Initial NOV:** -

Type: -

Detailed Description:
-

Short Notes: -

Outcome: -

Facility Business Activity: INACTIVE MUNICIPAL SOLID WASTE LANDFILL

Equipment: LFG COLLECTION SYSTEM

Comment: GRANTED

Application / Permit Number: -

Assigned to:-

Contacts

62976941 APCD HB Petitioner , ,

Parent: APCD1998-PTO-910733 **Opened Date:** 8/30/2007 **Hearing Date:** - **Petition #:** -

Status: Closed **Date Filed: 08/30/2007** **Initial NOV:** -

Type: -

Detailed Description:
-

Short Notes: -

Outcome: -

Facility Business Activity: INACTIVE MUNICIPAL SOLID WASTE LANDFILL

Equipment: LANDFILL GAS FLARE O2 ANALYZER LFG COLLECTION SYSTEM

Comment: GRANTED

Application / Permit Number: -

Assigned to:-

Contacts

Parent: APCD1998-PTO-910733 **Opened Date:** 8/24/2007 **Hearing Date:** - **Petition #:** -

Status: Closed **Date Filed: 08/24/2007** **Initial NOV:** -

Type: -

Detailed Description:
-

Short Notes: -

Outcome: -

Facility Business Activity: INACTIVE MUNICIPAL SOLID WASTE LANDFILL

Equipment: LANDFILL GAS FLARE O2 ANALYZER LFG COLLECTION SYSTEM

Comment: GRANTED

Application / Permit Number: -

Assigned to:-

Contacts

Parent: APCD1998-PTO-910733 **Opened Date:** 10/6/2005 **Hearing Date:** - **Petition #:** -

Status: Closed **Date Filed: 10/06/2005** **Initial NOV:** -

Type: -

Detailed Description:
-

Short Notes: -

Outcome: -

Facility Business Activity: SOLID WASTE LANDFILL

Equipment: LANDFILL GAS COLLECTION SYSTEM

Comment: GRANTED

Application / Permit Number: -

Assigned to:-

Contacts

139469	APCD Equipment Location	5201 RUFFIN ROAD	SAN DIEGO, CA	92123	,	8584955475

Parent: APCD1998-PTO-910733 **Opened Date:** 10/6/2005 **Hearing Date:** - **Petition #:** -

Status: Closed **Date Filed: 10/06/2005** **Initial NOV:** -

Type: -

Detailed Description:
-

Short Notes: -

Outcome: -

Facility Business Activity: LANDFILL

Equipment: LANDFILL GAS COLLECTION SYSTEM

Comment: GRANTED

Application / Permit Number: -

Assigned to:-

Contacts

139468	APCD Equipment Location	5201 RUFFIN ROAD	SAN DIEGO, CA	92123	,	8584955475

Parent: APCD1998-PTO-910733
Opened Date: 2/16/2000
Hearing Date: -
Petition #: -

Status: Closed
Date Filed: 02/16/2000
Initial NOV: -

Type: -

Detailed Description:
-

Short Notes: -

Outcome: -

Facility Business Activity: PUBLIC AGENCY

Equipment: LANDFILL GAS CONTROL SYSTEM

Comment: -

Application / Permit Number: -

Assigned to:-

Contacts

APCD1989-SITE-07456 APCD2014-BRK-0074

Parent: APCD1998-PTO-910733 **Opened Date:** 9/30/2014 **Date Discovered:** 9/30/2014 **Received Date:** 9/30/2014

Status: Closed **Date Notified:** - **Time Discovered:** 14:30 **Received Time:**

Cause: Unknown

Detailed Description: -

Equipment: Landfill - Possible Leachate 50 ft from toe of landfill **Assigned to:** Kent Mesplay (858) 586 2686 (858) 586 2686

Detailed descritption: AN INACTIVE LANDFILL EQUIPPED WITH A GAS COLLECTION, MONITORING, AND FLARE SYSTEM CONSISTING OF COLLECTION WELLS, MIGRATION PROBES, AN ENCLOSED FLARE, AND TWO BLOWERS. FLARE STATION CONTROL EQUIPMENT SHALL INCLUDE A FLAME ARRESTOR, AN OPTICAL FLAME DETECTOR, AN AUTOMATIC SHUT OFF DEVICE, AN IN-LINE OXYGEN ANALYZER, A FLOW METER, AND A STACK THERMOCOUPLE. (APPS 910733-920333 / DB / 4-96 / REV 7-98)

Final Disposition: -

Legacy Reference ID: - **Variance Requested:** -

Contacts

62814741	APCD Equipment Location	2198 Palomar Airport Rd	Carlsbad, CA	92008	Sr Civil, Engineer	7604314646
62814742	APCD Invoice Mailing	5510 Overland Ave., Ste 210, MS 0383	San Diego, CA	92123	Owner, Manager	8584955480
62814743	APCD PTO Mailing	5510 Overland Ave., Ste 210, MS 0383	San Diego, CA	92123	Jason, Forga	858-495-5470

Inspection	Date	Inspector	Status
Breakdown Inspection	10/2/2014	Kent Mesplay	Completed
Breakdown Inspection	10/3/2014	Kent Mesplay	Completed

Parent: APCD1998-PTO-910733 **Opened Date:** 7/31/2009 **Date Discovered:** 8/21/2007 **Received Date:** 8/21/2007

Status: **Date Notified: 8/21/2007** **Time Discovered: 11:25** **Received Time:**11:25

Cause: FLARE SYSTEM(O2 WENT 3.5% ABOVETHE CONDITION LIMITS AT THE FLARE)ALSO,MANUAL READING ARE NOT DRIVING AUTO METERS DATA.

Detailed Description: UNKNOWN AT THIS TIME

Equipment: GAS FLARE **Assigned to:** Randy Stegen (858) 586 2669 (858) 586 2669

Detailed descritption: -

Final Disposition: -

Legacy Reference ID: 20070018 **Variance Requested:** -

Contacts

155783	APCD Equipment Owner	2198 PALOMAR AIRPORT RD	CARLSBAD, CA	92008	,	7603176547

Inspection	Date	Inspector	Status

APCD
AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

Air Pollution Control Board

Greg Cox	District 1
Dianne Jacob	District 2
Dave Roberts	District 3
Ron Roberts	District 4
Bill Horn	District 5

September 22, 2015

SETTLEMENT OFFER

JASON FORGA
SD CO OF PALOMAR AIRPORT LANDFILL
5510 OVERLAND AVE. STE 410
SAN DIEGO CA 92123

Dear Mr. Forga:

RE: **NOTICE OF VIOLATION NUMBER 226788**

Location of Violation: 2198 Palomar Airport Rd., Carlsbad, CA 92008
Rule/Section Violated: 21, 59(d)(1)(ii)(A)

During an inspection on August 11, 2015, APCD staff discovered a landfill gas leak coming from a crack in the asphalt. SCS staff restarted the vacuum and after a period of time the leak stopped.

As a result, staff from the San Diego Air Pollution Control District (District) issued Notice of Violation No. 226788 (copy enclosed) to Sd Co Of Palomar Airport Landfill.

Penalties for such violations are determined according to the California Health & Safety Code and can include civil penalties of up to $25,000, for each day of each violation. The amount of the Air Pollution Control District's settlement offer specified below takes into account the magnitude and severity of the violation, as well as the prior history of violations of a similar nature. The District also considers, if relevant, how well equipment was maintained, whether control equipment was unproven or innovative, and any action taken to mitigate the violation (including any quick cleanup or construction). For more information on the District's Violation Settlement Program, please see http://www.sdapcd.org/info/facts/settle.pdf.

The District would like to settle this matter without going to court. Based on currently available information, I am authorized to settle this matter as follows:

1. Payment of a civil penalty in the amount of $300.
2. Upon receipt of the payment, Sd Co Of Palomar Airport Landfill shall be released from any and all claims by the District for civil or criminal penalties arising out of the incident referred to in the Notice of Violation.
3. Settlement of this matter shall not constitute an admission of liability in any administrative or judicial proceeding, nor shall evidence of the settlement be admissible in any such proceeding.
4. However, the District reserves the right to prove the alleged violation in connection with any petition for a variance, permit revocation, or abatement order before the District Hearing Board, or to rely on the alleged violation in connection with the determination of the appropriate penalty in the event similar Notices of Violation are issued in the future. Similarly, at any such time you could present information you have regarding the alleged violations.

If you would like to discuss this matter or provide additional information for consideration, you may contact me at (858) 586-2655 or at greg.gjerde@sdcounty.ca.gov. You may also request an office conference with me.

Please write the reference number, APCD2015-NOV-000437, on your check. You may use the enclosed postage prepaid envelope to send payment to:

San Diego County Air Pollution Control District
10124 Old Grove Road
San Diego, CA 92131

If you would like to pay by American Express or Discover card, please call (858) 586-2600, ask for the accounting division and reference APCD2015-NOV-000437.

If we do not hear from you within 25 days, we will assume that you are not interested in resolving this matter. Violations that cannot be settled may be referred for litigation.

Sincerely,



GREG GJERDE
Civil Actions Investigator

Enclosure

IF YOU HAVE ANY LEGAL QUESTIONS REGARDING SETTLEMENT, PENALTIES, OR PROCEDURES, YOU MAY SEEK THE ADVICE OF AN ATTORNEY.

Reference No.: APCD2015-NOV-000437

corrected in the presence of the inspector

226788

APCD2015-NOV-000437

AIR POLLUTION CONTROL DISTRICT

COUNTY OF SAN DIEGO
10124 OLD GROVE ROAD
SAN DIEGO CA 92131-1649
PHONE (858) 586-2650
FAX (858) 586-2651

Sector/ID C/89-07456
P/O# 98-PTO-91073
Fee Code 48C
Method MAIL
Entered
(APCD use only)

NOTICE OF VIOLATION

Date(s) of Violation 8/11/15 Date of Report 8/11/15

Name SD CO OF PALOMAR AIRPORT LANDFILL Phone 858-495-5470

Address DPW/5510 OVERLAND AVE., STE 210, MS 0383 City SAN DIEGO, CA 92123 (Zip Code)

Violation Location 2198 Palomar Airport Rd City Carlsbad, CA 92008 (Zip Code)

Specifically, the following violation(s) of the San Diego Air Pollution Control District rules and/or laws of the State of California has occurred: (abbreviations: H&S = Cal. Health & Safety Code; CCR = Cal. Code of Regulations; R = Rule)

Section	Description of Violation
R71(#7)	Not operating a landfill so that landfill gas
R59(d)(1)	above the surface does not exceed 500 ppmv
(ii)(A)	(measured as methane).
	Specifically, the landfill surface emission at
	a crack in the pavement east of Well #N5
	in Area #1 measured in excess of 12,000 ppmv,
	methane.

Pursuant to California Health And Safety Code section 42400 et seq., any person who violates any Order, Rule, or Regulation of the State Board or of an Air Pollution Control District is guilty of a MISDEMEANOR. Each day a violation occurs constitutes a separate offense.

YOU MUST ADVISE THE DISTRICT IN WRITING, WITHIN TEN DAYS, OF THE ACTION TAKEN TO CORRECT THE ALLEGED VIOLATION(S) OR THE REASON(S) YOU BELIEVE THE VIOLATION(S) DID NOT OCCUR. PLEASE MAIL YOUR RESPONSE TO THE AIR POLLUTION CONTROL DISTRICT, ATTENTION: COMPLIANCE DIVISION, 10124 OLD GROVE RD., SAN DIEGO, CALIFORNIA 92131-1649.

Inspector Kent P. Mesplay Date 8/11/15 Time 2:24 p.m.

SIGNING THIS NOTICE ACKNOWLEDGES RECEIPT OF THIS NOTICE, IT IS NOT AN ADMISSION OF GUILT.

Received by Brian Duffy (Print name) Title Superintendent, SCS

Signature Brian Duffy Date 8.11.15

(See reverse side for more information)

APCD 23 (Rev. 10/11) W=Office C= Data Entry P=Site G= Field File

07/25/12 PM12:54 APCD

County of San Diego

RICHARD E. CROMPTON
DIRECTOR

DEPARTMENT OF PUBLIC WORKS

5500 OVERLAND AVE, SUITE 310
SAN DIEGO, CALIFORNIA 92123-1295

(858) 694-2212 FAX: (858) 268-0461
Web Site: www.sdcounty.ca.gov/dpw/

July 25, 2012

Mr. Miguel Jauregui
Air Pollution Control Board
Compliance Division
10124 Old Grove Road
San Diego, CA 92131-1649

Subject: Response to Notice of Violation No. 223695

Dear Mr. Jauregui:

This letter is in response to Notice of Violation (NOV) No. 223695, dated 7/18/2012. According to APCD's Rule 59(d)(1)(ii)(A) the landfill owner/operator shall maintain a landfill gas control system on site, such that, the concentration of organic compounds does not exceed 500 ppmv expressed as methane at any point measured immediately above the landfill surface. During an inspection performed on July 17, 2012, the NOV stated the APCD inspector measured emissions of 590 to 1900 ppmv, using a RKI Eagle Combustible Gas Indicator (CGI), at extraction well N-15 in Unit 2 of the Palomar Airport Landfill. Once the inspection was complete, our landfill gas consultant (SCS) went back to well N-15 to recheck for an exceedance using a calibrated TVA 1000. Their readings did not exceed 200 ppmv.

County staff has reviewed six months of well data for N-15 and determined that the control system vacuum at this location has been consistent for the full six month period, indicating a constant pull of landfill gas (LFG) at this location. On July 23, 2012, SCS monitored around well N-15's vault, as well as, within the vault with a TVA 1000 and had a reading of 0 ppmv. In addition, an air sample was collected from N-15's vault using a SUMMA canister. The sample was taken in accordance with the manufacturer's procedure for integrated sampling and was sent to a lab for testing. The air sample will be tested for permanent gases (CH4, O2, CO2, N2), TGNMO (non-methane organic) and hydrocarbon speciation. The purpose of the testing is to determine if emissions measured at the well is LFG could have been a result of inference from another compound(s), such as aviation fuel used at the airport.

Upon receipt of the laboratory results, County staff will review and then submit them to your agency. We will also determine if further action is needed to remediate an emission issue. In the meantime, SCS will continue to monitor that vault on a weekly basis and will contact APCD immediately if any readings are over the regulatory threshold.

If you have any questions regarding this letter please feel free to contact me at (858) 495-5470.

Sincerely,

Jason S. Forga, P.E.
County of San Diego-Landfill Management

Attachment

223695

AIR POLLUTION CONTROL DISTRICT

COUNTY OF SAN DIEGO
10124 OLD GROVE ROAD
SAN DIEGO CA 92131-1649
PHONE (858) 586-2650
FAX (858) 586-2651

Sector/ID C/07456
P/O# 910733
Fee Code 48C
Method Ann
Entered
(APCD use only)

NOTICE OF VIOLATION

Date(s) of Violation 7-17-2012 Date of Report 7-18-2012

Name San Diego County of DPW Landfill Mgmt Phone 858-495-5470

Address 5500 Overland Dr. City San Diego 92123 (Zip Code)

Violation Location 2198 Palomar Airport Rd. City Carlsbad 92008 (Zip Code)

Specifically, the following violation(s) of the San Diego Air Pollution Control District rules and/or laws of the State of California has occurred: (abbreviations: H&S = Cal. Health & Safety Code; CCR = Cal. Code of Regulations; R = Rule)

Section	Description of Violation
R21 cond.	Failing to operate landfill in a manner in which methane
# 7	concentration at the landfill surface are maintained
R59(d)(1)	at less than 500ppm (measured as methane) at a
(ii)(A)	distance of 2 WKJ inches off the ground. Specifically, by
	having a landfill surface emission measuring 590-1900ppm
	located next to extraction well N-15 in Area #2 of
	the landfill.

Pursuant to California Health And Safety Code section 42400 et seq., any person who violates any Order, Rule, or Regulation of the State Board or of an Air Pollution Control District is guilty of a MISDEMEANOR. Each day a violation occurs constitutes a separate offense.

YOU MUST ADVISE THE DISTRICT IN WRITING, WITHIN TEN DAYS, OF THE ACTION TAKEN TO CORRECT THE ALLEGED VIOLATION(S) OR THE REASON(S) YOU BELIEVE THE VIOLATION(S) DID NOT OCCUR. PLEASE MAIL YOUR RESPONSE TO THE AIR POLLUTION CONTROL DISTRICT, ATTENTION: COMPLIANCE DIVISION, 10124 OLD GROVE RD., SAN DIEGO, CALIFORNIA 92131-1649.

Inspector Miguel Rez Jauregui Date 7-18-2012 Time 1:45pm

SIGNING THIS NOTICE ACKNOWLEDGES RECEIPT OF THIS NOTICE, IT IS **NOT** AN ADMISSION OF GUILT.

Received by JASON FOSTER (Print name) Title SR. CIVIL ENGINEER

Signature Date 7/18/12

(See reverse side for more information)

APCD 23 (Rev. 10/11)

W=Office **C**= Data Entry **P**=Site **G**= Field File

County of San Diego

RICHARD E. CROMPTON
DIRECTOR

DEPARTMENT OF PUBLIC WORKS
5510 OVERLAND AVE, SUITE 410
SAN DIEGO, CALIFORNIA 92123-1237
(858) 694-2212 FAX: (858) 694-3597
Web Site: www.sdcounty.ca.gov/dpw/

August 20, 2015

Compliance Division
San Diego County Air Pollution Control Division
10124 Old Grove Road,
San Diego, California 92131-1649

SUBJECT: RESPONSE TO NOTICE OF VIOLATION (NO. 226788), PALOMAR AIRPORT LANDFILL, SAN DIEGO, CALIFORNIA

To Whom It May Concern:

This letter is submitted in response to the Notice of Violation (NOV) (No. 226788) issued to the County of San Diego Department of Public Works (County) for the Palomar Airport Landfill (Palomar/site) on August 11, 2015, and meets the 10-day requirement associated with the NOV.

BACKGROUND

The NOV was issued for not operating a landfill so that landfill gas (LFG) above the surface does not exceed 500 parts per million by volume (ppmv), as methane. Specifically, the landfill surface emissions at a crack in the pavement east of Well No. N5 in Area 1 measured in excess of 12,000 ppmv, as methane. By issuance of the NOV, the San Diego County Air Pollution Control District (APCD) believes that the surface emissions is a violation of APCD Rule 59(d)(1)(ii)(A) and Permit to Operate (PTO) No. APCD1998-PTO-910733, Condition No. 7.

The following information summarizes the actions taken to address emissions exceedance covered by the NOV.

REMEDIAL ACTION

After the APCD inspectors discovered the emissions exceedance at a crack in the pavement on August 11, 2015, SCS Field Services (SCS) technicians immediately increased vacuum to adjacent LFG Wells N5 and HCW-4. A re-monitoring event was conducted later in the day on August 11, 2015 after the remediation efforts, and resulted in surface emissions below 500 ppmv, as methane (approximately 0 ppmv). The re-monitoring event was conducted in the presence of the APCD inspectors. No further corrective action is necessary.

Please note that SCS had been attempting to balance the gas collection and control system (GCCS) in the months prior to the inspection due to signs of declining LFG quality and slight oxygen intrusion. As such, the wells in the vicinity of the surface emissions exceedance had been either closed or reduced to minimal vacuum in order to prevent a potential subsurface oxidation event. On July 29, 2015, SCS conducted a monthly surface emissions monitoring (SEM) event and *did not* detect any surface emissions exceedances in the area of the subject NOV.

The GCCS on site requires continual monitoring and maintenance to limit oxygen intrusion, control surface emissions and to maintain overall compliance. Balancing the GCCS to limit oxygen intrusion and control surface emissions can sometimes be an impossible compliance situation – either potentially shutting down the flare due to excessive oxygen or result in a violation for a surface emissions exceedance. When determining the penalty for this NOV, the County requests APCD take into account the work that was done in the months prior to limit oxygen intrusion while trying to prevent surface emission exceedances. Upon the surface emissions exceedance, SCS was able to adjust the GCCS and correct the issue within the same day.

CLOSING

Remediation activities have taken place for the surface emissions discovered by the inspectors and re-monitoring events have taken place and reported as required. In addition, we will work with Palomar Airport Operations to identify and repair cracks in sensitive areas. The facility will continue the required re-monitoring and compliance will be met.

If you have any questions or need any additional information, please contact the undersigned at (858) 495-5470.

Sincerely,

Jason S. Forga
Senior Civil Engineer

cc: Gabrielle Stephens; SCS Engineers
Steve Cooper; SCS Field Services

Corrected in the presence of the inspector

226788

AIR POLLUTION CONTROL DISTRICT

COUNTY OF SAN DIEGO
10124 OLD GROVE ROAD
SAN DIEGO CA 92131-1649
PHONE (858) 586-2650
FAX (858) 586-2651

Sector/ID	C/89-07456
P/O#	98-PTO-910733
Fee Code	48C
Method	AVM
Entered	

(APCD use only)

NOTICE OF VIOLATION

Date(s) of Violation (Fri) 8/5 8/11/15 Date of Report 8/11/15

Name SD CO OF PALOMAR AIRPORT LANDFILL Phone 858-495-5470

Address DPW/5510 OVERLAND AVE., STE 210, (MS 0383) City SAN DIEGO, CA 92123 (Zip Code)

Violation Location 2198 Palomar Airport Rd City Carlsbad, CA 92008 (Zip Code)

Specifically, the following violation(s) of the San Diego Air Pollution Control District rules and/or laws of the State of California has occurred: (abbreviations: H&S = Cal. Health & Safety Code; CCR = Cal. Code of Regulations; R = Rule)

Section	Description of Violation
R71(#7)	Not operating a landfill so that landfill gas
R59(d)(1)	above the surface does not exceed 500 ppmv
(ii)(A)	(measured as methane).
	Specifically, the landfill surface emission at
	a crack in the pavement east of Well #45
	in Area #1 measured in excess of 12,000 ppmv,
	methane.

Pursuant to California Health And Safety Code section 42400 et seq., any person who violates any Order, Rule, or Regulation of the State Board or of an Air Pollution Control District is guilty of a MISDEMEANOR. Each day a violation occurs constitutes a separate offense.

YOU MUST ADVISE THE DISTRICT IN WRITING, WITHIN TEN DAYS, OF THE ACTION TAKEN TO CORRECT THE ALLEGED VIOLATION(S) OR THE REASON(S) YOU BELIEVE THE VIOLATION(S) DID NOT OCCUR. PLEASE MAIL YOUR RESPONSE TO THE AIR POLLUTION CONTROL DISTRICT, ATTENTION: COMPLIANCE DIVISION, 10124 OLD GROVE RD., SAN DIEGO, CALIFORNIA 92131-1649.

Inspector Kent P. Mesplay Date 8/11/15 Time 2:24 p.m.

SIGNING THIS NOTICE ACKNOWLEDGES RECEIPT OF THIS NOTICE, IT IS NOT AN ADMISSION OF GUILT.

Received by Brian Duffy (Print name) Title Superintendent, SCS

Signature [signature] Date 8.11.15

(See reverse side for more information)

APCD 23 (Rev. 10/11) W=Office C= Data Entry P=Site G= Field File

Carlsbad Fire Department
2560 ORION WY
Carlsbad, CA 92010
760-931-2141

Incident Report
2008-0002942 -000

Printed: 09/12/2016 16:15:08
Number of Pages: 4

Basic	
Alarm Date and Time	10:13:08 Saturday, April 19, 2008
Arrival Time	10:13:52
Controlled Date and Time	
Last Unit Cleared Date and Time	12:57:18 Saturday, April 19, 2008
Response Time	0:00:44
Priority Response	Yes
Completed	Yes
Reviewed	Yes
Fire Department Station	CB5
Shift	A
Incident Type	460 - Accident, potential accident, other
Aid Given or Received	N - None
Action Taken 1	86 - Investigate
Casualties	No
Apparatus - Suppression	4
Apparatus - EMS	1
Personnel - Suppression Personnel	10
Personnel - EMS Personnel	2
Property Use	972 - Aircraft runway
Location Type	Address
Address	2198 Palomar Airport RD
City, State Zip	Carlsbad, CA 92008
Directions	2198 Palomar Airport Rd
Latitude	33.125410
Longitude	117.275414
Map Page	F9B

Situation	
Initial Dispatch Code	Plane Crash

Person Involved - PALOMAR TOWER,	
Involvement Code	RP
Last Name	PALOMAR TOWER
Street Address	

Apparatus - 2290	
Apparatus ID	2290
Apparatus Dispatch Date and Time	10:13:08 Saturday, April 19, 2008
En route to scene date and time	10:15:07 Saturday, April 19, 2008
Apparatus Clear Date and Time	10:22:10 Saturday, April 19, 2008
Apparatus priority response	Yes
Apparatus cancelled after dispatch	Yes
Number of People	3
Apparatus Use	1
Apparatus Type	71 - Rescue unit
Personnel 1	2191 - Feess, John C

Apparatus - 2290	
	Position: FCAP
Personnel 2	4843 - Ordille, Nick P
	Position: FENG
Personnel 3	1213 - Gutgesell, Jerry F
	Position: FFPM

Apparatus - 2213	
Apparatus ID	2213
Apparatus Dispatch Date and Time	10:13:08 Saturday, April 19, 2008
En route to scene date and time	10:15:31 Saturday, April 19, 2008
Apparatus Clear Date and Time	10:22:28 Saturday, April 19, 2008
Apparatus priority response	Yes
Apparatus cancelled after dispatch	Yes
Number of People	3
Apparatus Use	1
Apparatus Type	11 - Engine
Personnel 1	1952 - Dumont, Randy E
	Position: FENG
Personnel 2	2786 - Morris, Bob J
	Position: FCAP
Personnel 3	5870 - MacIsaac, John A
	Position: FFPM

Apparatus - 2215	
Apparatus ID	2215
Response Time	0:05:48
Apparatus Dispatch Date and Time	10:13:08 Saturday, April 19, 2008
En route to scene date and time	10:14:59 Saturday, April 19, 2008
Apparatus Arrival Date and Time	10:18:56 Saturday, April 19, 2008
Apparatus Clear Date and Time	12:57:18 Saturday, April 19, 2008
Apparatus priority response	Yes
Number of People	3
Apparatus Use	1
Apparatus Action Taken 1	15 - Confine fire (wildland)
Apparatus Type	11 - Engine
Personnel 1	2574 - Pachek, Jeff E
	Position: FENG
Personnel 2	2569 - Clark, Skip E
	Position: FCAP
Personnel 3	6008 - Miller, Glenn K
	Position: FFPM

Apparatus - 2295	
Apparatus ID	2295
Response Time	0:06:18
Apparatus Dispatch Date and Time	10:13:08 Saturday, April 19, 2008

Apparatus - 2295	
En route to scene date and time	10:14:36 Saturday, April 19, 2008
Apparatus Arrival Date and Time	10:19:26 Saturday, April 19, 2008
Apparatus Clear Date and Time	10:24:41 Saturday, April 19, 2008
Apparatus priority response	Yes
Number of People	2
Apparatus Use	2
Apparatus Action Taken 1	86 - Investigate
Apparatus Type	76 - ALS unit
Personnel 1	55244 - Burke, Mike C
	Position: FFPM
Personnel 2	2693 - Maniscalco, Vince N
	Position: FENG

Apparatus - 2203	
Apparatus ID	2203
Response Time	0:06:43
Apparatus Dispatch Date and Time	10:13:08 Saturday, April 19, 2008
En route to scene date and time	10:14:39 Saturday, April 19, 2008
Apparatus Arrival Date and Time	10:19:51 Saturday, April 19, 2008
Apparatus Clear Date and Time	11:05:47 Saturday, April 19, 2008
Apparatus priority response	Yes
Number of People	1
Apparatus Use	1
Apparatus Action Taken 1	86 - Investigate
Apparatus Type	92 - Chief officer car
Personnel 1	1456 - Kennedy, Mike G
	Position: FCBAT

Authority	
Reported By	2569 - Clark, Skip E
	14:31:57 Saturday, April 19, 2008
Officer In Charge	2569 - Clark, Skip E
	14:32:00 Saturday, April 19, 2008
Reviewer	2573 - Vance, Rich C
	14:57:00 Saturday, June 14, 2008

Narratives	
Narrative Name	CAD Narrative
Narrative Type	CAD Narrative
Author	- ,
Narrative Text	CAD Master Incident Number: 2008-18502 Primary Jurisdiction Number: CBD 20080002942
Narrative Name	Narrative
Narrative Type	Incident
Narrative Date	14:22:19 Saturday, April 19, 2008
Author	2569 - Clark, Skip E

Narratives

Author Rank	FCAP
Author Assignment	1
Narrative Text	At 1013 hours on Saturday April 19, 2008 we were dispatched to a gasoline or other flammable liquid spill. Five units were assigned to this incident. Eleven personnel responded. We arrived on scene at 1013 hours and cleared at 1257 hours. The incident occurred at 2198 Palomar Airport Rd, Carlsbad. The local station is CB5. The general description of this property is aircraft runway. The primary task(s) performed at the scene by responding personnel was investigation. No mutual/automatic aid was given or received. All units responded to a report of an Alert 3(Confirmed plane crash at the airport). Once on scene it was determined that there was a single Citation Jet with the tail number of N54PV off the end of the runway with moderate damage. No injuries sustained and all souls self extricated prior to arrival. Once the plane was confirmed secured by the pilot (fuel shut off and batteries disconnected) it was determined that approx 20 gallons of Jet A fuel was leaking from right wing. The leak was contained in sand with no leakage into the storm drain. County Hazmat arrived at scene and took over control of cleanup and removal. 2203, 2295 cancelled at scene. 2215 available. WC Contacts: COUNTY HAZMAT Leon Wirschem 619-338-2458 ASSISTANT AIRPORT MANAGER Olivier Brackett 760-431-4646 RESCUE 8 Shawn Raysin Alarm number 0002942 has been assigned to this incident.

End of Report

Carlsbad Fire Department
2560 ORION WY
Carlsbad, CA 92010
760-931-2141

Incident Report
2012-0009496 -000

Printed: 09/12/2016 16:23:58
Number of Pages: 5

Basic		
Alarm Date and Time	15:39:18	Sunday, November 11, 2012
Arrival Time	15:42:50	
Controlled Date and Time		
Last Unit Cleared Date and Time	16:14:20	Sunday, November 11, 2012
Response Time	0:03:32	
Priority Response	Yes	
Completed	Yes	
Reviewed	Yes	
Fire Department Station	CB5	
Shift	A	
Incident Type	900 - Special type of incident, other	
Aid Given or Received	2 - Automatic aid received	
Action Taken 1	86 - Investigate	
Casualties	No	
Apparatus - Suppression	9	
Personnel - Suppression Personnel	14	
Property Use	973 - Aircraft taxi-way	
Location Type	Address	
Address	2198 Palomar Airport RD	
City, State Zip	Carlsbad, CA 92008	
Directions	2198 Palomar Airport Rd	
Latitude	33.125410	
Longitude	-117.275414	
Map Page	5518C	

Situation	
Initial Dispatch Code	PLANE CRASH

Person Involved - PAL AIRPORT,	
Involvement Code	RP
Last Name	PAL AIRPORT
Street Address	

Apparatus - 2293		
Apparatus ID	2293	
Apparatus Dispatch Date and Time	15:41:25	Sunday, November 11, 2012
En route to scene date and time	15:42:26	Sunday, November 11, 2012
Apparatus Clear Date and Time	15:48:00	Sunday, November 11, 2012
Apparatus priority response	Yes	
Number of People	2	
Apparatus Use	1	
Apparatus Action Taken 1	92 - Standby	
Apparatus Type	76 - ALS unit	
Personnel 1	05870 - MacIsaac, John A Position: FFPM	
Personnel 2	06291 - Vracar, Paul J	

Apparatus - 2293	
	Position: FFPM

Apparatus - 2176	
Apparatus ID	2176
Apparatus Dispatch Date and Time	15:39:18 Sunday, November 11, 2012
En route to scene date and time	15:41:06 Sunday, November 11, 2012
Apparatus Clear Date and Time	15:47:56 Sunday, November 11, 2012
Apparatus priority response	Yes
Apparatus Use	1
Apparatus Action Taken 1	92 - Standby
Apparatus Type	13 - Quint

Apparatus - 2212	
Apparatus ID	2212
Apparatus Dispatch Date and Time	15:39:18 Sunday, November 11, 2012
En route to scene date and time	15:41:05 Sunday, November 11, 2012
Apparatus Clear Date and Time	15:48:10 Sunday, November 11, 2012
Apparatus priority response	Yes
Number of People	3
Apparatus Use	1
Apparatus Action Taken 1	92 - Standby
Apparatus Type	11 - Engine
Personnel 1	02569 - Clark, Skip E
	Position: FCAP
Personnel 2	06206 - Clark, Josh E
	Position: FENG
Personnel 3	06727 - Sandland, Scott A
	Position: FFPM

Apparatus - OES62	
Apparatus ID	OES62
Apparatus Dispatch Date and Time	15:39:19 Sunday, November 11, 2012
En route to scene date and time	15:42:59 Sunday, November 11, 2012
Apparatus Clear Date and Time	15:48:19 Sunday, November 11, 2012
Apparatus priority response	Yes
Apparatus cancelled after dispatch	Yes
Apparatus Use	1
Apparatus Action Taken 1	93 - Cancelled en route
Apparatus Type	24 - Tanker or tender

Apparatus - 2204	
Apparatus ID	2204
Response Time	0:06:15
Apparatus Dispatch Date and Time	15:39:19 Sunday, November 11, 2012
En route to scene date and time	15:40:36 Sunday, November 11, 2012
Apparatus Arrival Date and Time	15:45:34 Sunday, November 11, 2012

Apparatus - 2204	
Apparatus Clear Date and Time	16:03:58 Sunday, November 11, 2012
Apparatus priority response	Yes
Number of People	1
Apparatus Use	1
Apparatus Action Taken 1	81 - Incident command
Apparatus Type	92 - Chief officer car
Personnel 1	03730 - Osuna, Luis R
	Position: FCBAT

Apparatus - 2275	
Apparatus ID	2275
Response Time	0:06:32
Apparatus Dispatch Date and Time	15:39:18 Sunday, November 11, 2012
En route to scene date and time	15:42:08 Sunday, November 11, 2012
Apparatus Arrival Date and Time	15:45:50 Sunday, November 11, 2012
Apparatus Clear Date and Time	16:04:20 Sunday, November 11, 2012
Apparatus priority response	Yes
Number of People	3
Apparatus Use	1
Apparatus Action Taken 1	86 - Investigate
Apparatus Action Taken 2	43 - Hazardous materials spill control and confinement
Apparatus Type	12 - Truck or aerial
Personnel 1	03728 - Arguelles, Dominic
	Position: FCAP
Personnel 2	04747 - Bojorquez, Trino D
	Position: FENG
Personnel 3	06674 - Smith, Chad M
	Position: FFPM

Apparatus - 1215	
Apparatus ID	1215
Response Time	0:06:49
Apparatus Dispatch Date and Time	15:39:18 Sunday, November 11, 2012
En route to scene date and time	15:40:26 Sunday, November 11, 2012
Apparatus Arrival Date and Time	15:46:07 Sunday, November 11, 2012
Apparatus Clear Date and Time	15:47:50 Sunday, November 11, 2012
Apparatus priority response	Yes
Apparatus Use	1
Apparatus Action Taken 1	92 - Standby
Apparatus Type	11 - Engine

Apparatus - 2292	
Apparatus ID	2292
Response Time	0:07:21
Apparatus Dispatch Date and Time	15:39:18 Sunday, November 11, 2012
En route to scene date and time	15:40:22 Sunday, November 11, 2012

Apparatus - 2292	
Apparatus Arrival Date and Time	15:46:39 Sunday, November 11, 2012
Apparatus Clear Date and Time	15:47:37 Sunday, November 11, 2012
Apparatus priority response	Yes
Number of People	2
Apparatus Use	1
Apparatus Action Taken 1	92 - Standby
Apparatus Type	76 - ALS unit
Personnel 1	06545 - Larsen, Taylor K
	Position: FFPM
Personnel 2	06775 - Gallucci, Joey N
	Position: FFPM

Apparatus - 2214	
Apparatus ID	2214
Response Time	0:08:01
Apparatus Dispatch Date and Time	15:39:18 Sunday, November 11, 2012
En route to scene date and time	15:40:22 Sunday, November 11, 2012
Apparatus Arrival Date and Time	15:47:19 Sunday, November 11, 2012
Apparatus Clear Date and Time	15:48:17 Sunday, November 11, 2012
Apparatus priority response	Yes
Number of People	3
Apparatus Use	1
Apparatus Action Taken 1	92 - Standby
Apparatus Type	11 - Engine
Personnel 1	03032 - Sugahara, Ken M
	Position: FCAP
Personnel 2	05205 - Griffin, Roark T
	Position: FENG
Personnel 3	05458 - Spear, Andy K
	Position: FFPM

Authority	
Reported By	03730 - Osuna, Luis R
	07:15:27 Thursday, November 15, 2012
Officer In Charge	03730 - Osuna, Luis R
	08:57:29 Tuesday, November 20, 2012
Reviewer	03730 - Osuna, Luis R
	08:57:31 Tuesday, November 20, 2012

Narratives	
Narrative Name	CAD Narrative
Narrative Type	CAD Narrative
Author	- ,
Narrative Text	CAD Master Incident Number: 2012-122092Primary Jurisdiction Number: CBD 20120009496

Carlsbad Fire Department
2560 ORION WY
Carlsbad, CA 92010
760-931-2141

Incident Report
2012-0009496 -000

Printed: 09/12/2016 16:23:58
Number of Pages: 5

Narratives

Narrative Name	Narrative
Narrative Type	Incident
Narrative Date	07:06:55 Thursday, November 15, 2012
Author	03730 - Osuna, Luis R
Author Rank	FCBAT
Author Assignment	1
Narrative Text	At 1539 hours on Sunday November 11, 2012 we were dispatched to a special type of incident. plane crash. We arrived on scene at 1542 hours and cleared at 1614 hours. The incident occurred at 2198 Palomar Airport Rd, Carlsbad. The local station is CB5. The general description of this property is aircraft taxi-way. The primary task(s) performed at the scene by responding personnel was investigation. Automatic aid was received on this incident. 2204: Fire units arrived on scene and encountered a small aircraft on its side with damage to the wings and a small fuel leak. Rescue-8 was on scene in position to control a possible fire. 2275 secured the small fuel leak without incident. This was a non injury incident. The airport was shut down by Rescue 8. Carlsbad Police units on scene controlling the area. All notifications for this incident made by Carlsbad Police. Rescue-8 to remain on scene, fire units cleared. note: This aircraft was possibly performing "touch & go" training evolutions. The aircraft also impacted the tail end of a helicopter. Alarm number 0009496 has been assigned to this incident.

End of Report

Carlsbad Fire Department
2560 ORION WY
Carlsbad, CA 92010
760-931-2141

Incident Report
2015-0004274 -000

Printed: 09/12/2016 16:28:04
Number of Pages: 5

Basic		
Alarm Date and Time	15:48:52	Saturday, May 16, 2015
Arrival Time	15:52:42	
Controlled Date and Time		
Last Unit Cleared Date and Time	22:36:10	Saturday, May 16, 2015
Response Time	0:03:50	
Priority Response	Yes	
Completed	Yes	
Reviewed	Yes	
Fire Department Station	CB5	
Shift	A	
Incident Type	900 - Special type of incident, other	
Aid Given or Received	1 - Mutual aid received	
Mutual Aid Department	SNDFD-San Diego Fire Department	
Action Taken 1	82 - Notify other agencies.	
Action Taken 2	50 - Fires, rescues & hazardous conditions, other	
Casualties	No	
Apparatus - Suppression	7	
Apparatus - EMS	1	
Personnel - Suppression Personnel	7	
Personnel - EMS Personnel	2	
Property Use	972 - Aircraft runway	
Location Type	Address	
Address	2198 Palomar Airport RD	
City, State Zip	Carlsbad, CA 92011	
Directions	2198 Palomar Airport Rd	
Latitude	33.125410	
Longitude	-117.275414	
Map Page	5518C	

Situation	
Initial Dispatch Code	PLANE CRASH

Person Involved - PAL AIRPORT,	
Involvement Code	RP
Last Name	PAL AIRPORT
Street Address	

Apparatus - 1215		
Apparatus ID	1215	
Apparatus Dispatch Date and Time	15:48:52	Saturday, May 16, 2015
En route to scene date and time	15:49:40	Saturday, May 16, 2015
Apparatus Clear Date and Time	15:52:24	Saturday, May 16, 2015
Apparatus priority response	Yes	
Apparatus cancelled after dispatch	Yes	
Apparatus Use	1	
Apparatus Action Taken 1	93 - Cancelled en route	

Apparatus - 1215	
Apparatus Type	11 - Engine

Apparatus - 2150	
Apparatus ID	2150
Apparatus Dispatch Date and Time	15:48:52 Saturday, May 16, 2015
En route to scene date and time	15:50:11 Saturday, May 16, 2015
Apparatus Clear Date and Time	15:52:37 Saturday, May 16, 2015
Apparatus priority response	Yes
Apparatus cancelled after dispatch	Yes
Apparatus Use	1
Apparatus Action Taken 1	93 - Cancelled en route
Apparatus Type	24 - Tanker or tender

Apparatus - 1471	
Apparatus ID	1471
Apparatus Dispatch Date and Time	15:48:52 Saturday, May 16, 2015
En route to scene date and time	15:50:52 Saturday, May 16, 2015
Apparatus Clear Date and Time	15:54:11 Saturday, May 16, 2015
Apparatus priority response	Yes
Apparatus cancelled after dispatch	Yes
Apparatus Use	1
Apparatus Action Taken 1	93 - Cancelled en route
Apparatus Type	12 - Truck or aerial

Apparatus - 2212	
Apparatus ID	2212
Apparatus Dispatch Date and Time	15:48:52 Saturday, May 16, 2015
En route to scene date and time	15:49:57 Saturday, May 16, 2015
Apparatus Clear Date and Time	15:56:53 Saturday, May 16, 2015
Apparatus priority response	Yes
Apparatus cancelled after dispatch	Yes
Number of People	3
Apparatus Use	1
Apparatus Action Taken 1	93 - Cancelled en route
Apparatus Type	11 - Engine
Personnel 1	05415 - Fodrey, Tim J Position: FENG
Personnel 2	05706 - Pearson, Nate W Position: FCAP
Personnel 3	10595 - Peters, Chris Position: FFPM

Apparatus - 2215	
Apparatus ID	2215
Response Time	0:03:50
Apparatus Dispatch Date and Time	15:48:52 Saturday, May 16, 2015

Apparatus - 2215	
En route to scene date and time	15:50:49 Saturday, May 16, 2015
Apparatus Arrival Date and Time	15:52:42 Saturday, May 16, 2015
Apparatus Clear Date and Time	21:36:56 Saturday, May 16, 2015
Apparatus priority response	Yes
Number of People	3
Apparatus Use	1
Apparatus Action Taken 1	55 - Establish safe area
Apparatus Action Taken 2	82 - Notify other agencies.
Apparatus Action Taken 3	43 - Hazardous materials spill control and confinement
Apparatus Type	11 - Engine
Personnel 1	03728 - Arguelles, Dominic Position: FCAP
Personnel 2	06089 - Scheibe, Pablo N Position: FENG
Personnel 3	10309 - Acosta, Michael Position: FFPM

Apparatus - 2204	
Apparatus ID	2204
Response Time	0:06:55
Apparatus Dispatch Date and Time	15:48:52 Saturday, May 16, 2015
En route to scene date and time	15:49:03 Saturday, May 16, 2015
Apparatus Arrival Date and Time	15:55:47 Saturday, May 16, 2015
Apparatus Clear Date and Time	21:34:27 Saturday, May 16, 2015
Apparatus priority response	Yes
Number of People	1
Apparatus Use	1
Apparatus Action Taken 1	90 - Fill-in, standby, other
Apparatus Type	92 - Chief officer car
Personnel 1	03032 - Sugahara, Ken M Position: FCBAT

Apparatus - 2295	
Apparatus ID	2295
Response Time	0:07:11
Apparatus Dispatch Date and Time	15:48:52 Saturday, May 16, 2015
En route to scene date and time	15:50:15 Saturday, May 16, 2015
Apparatus Arrival Date and Time	15:56:03 Saturday, May 16, 2015
Apparatus Clear Date and Time	16:00:18 Saturday, May 16, 2015
Apparatus priority response	Yes
Number of People	2
Apparatus Use	2
Apparatus Action Taken 1	31 - Provide first aid & check for injuries
Apparatus Type	76 - ALS unit
Personnel 1	06925 - Cunningham, Scott J Position: FFPM

Apparatus - 2295	
Personnel 2	10337 - Newlin, Chris Position: FFPM

Apparatus - HAZ1	
Apparatus ID	HAZ1
Response Time	0:55:14
Apparatus Dispatch Date and Time	16:19:16 Saturday, May 16, 2015
En route to scene date and time	16:19:45 Saturday, May 16, 2015
Apparatus Arrival Date and Time	17:14:30 Saturday, May 16, 2015
Apparatus Clear Date and Time	21:53:06 Saturday, May 16, 2015
Apparatus priority response	Yes
Apparatus Use	1
Apparatus Action Taken 1	43 - Hazardous materials spill control and confinement
Apparatus Action Taken 2	48 - Remove hazardous materials
Apparatus Type	93 - HazMat unit

Authority	
Reported By	03728 - Arguelles, Dominic 08:10:22 Sunday, May 17, 2015
Officer In Charge	03728 - Arguelles, Dominic 08:10:23 Sunday, May 17, 2015
Reviewer	02574 - Pachek, Jeff E 07:33:58 Thursday, May 21, 2015

Narratives	
Narrative Name	CAD Narrative
Narrative Type	CAD Narrative
Author	- ,
Narrative Text	CAD Master Incident Number:2015-054534 Primary Jurisdiction Number:CBD 20150004274

Narrative Name	Narrative
Narrative Type	Incident
Narrative Date	07:25:36 Sunday, May 17, 2015
Author	03728 - Arguelles, Dominic
Author Rank	FCAP
Author Assignment	1
Narrative Text	At 1548 hours on Saturday May 16, 2015 we were dispatched to a special type of incident - Plane Crash at the Palomar Airport on the runway. Eight units were assigned to this incident. Nine personnel responded. We arrived on scene at 1552 hours and cleared at 2236 hours. The incident occurred at 2198 Palomar Airport Rd, Carlsbad. The local station is CB5. The general description of this property is aircraft runway. The primary task(s) performed at the scene by responding personnel was notification of other agencies. Mutual aid was received on this incident. 2215 arrived on scene at the Palomar Airport to find one Twin Engine Prop plane crashed

Narratives

onto the runway with no fire. Rescue 8 was on scene and reported one person uninjured on scene. Pilot was walking around and stated that he did not have any injuries and did not want to be evaluated.

2215 established a safe zone and was on standby for any potential fire hazard with Rescue 8. The incoming balance was cancelled except for 2204 and 2295. 2295 was released upon no patient care needed.

Due to a fuel leak with a potential of 300 gallons spilled, HazMat 1 & County HIRT was dispatched and arrived on scene to mitigate the leak.
S&R Towing was also dispatched for the Heavy Wreckers to lift the airplane.

HazMat 1 and County HIRT developed a plan to mitigate the fuel leak. Fuel was pumped out of the airplane tanks and into a storage container. The plane was lifted and the landing gear was deployed.

No other fire potential existed so 2215 and 2204 was released from the incident. HazMat 1 and County HIRT remained on scene with Palomar Airport Representatives.

Alarm number 0004274 has been assigned to this incident.

End of Report

Carlsbad Fire Department
2560 ORION WY
Carlsbad, CA 92010
760-931-2141

Incident Report
2015-0010849 -000

Printed: 09/12/2016 16:37:17
Number of Pages: 7

Basic		
Alarm Date and Time	16:23:32	Wednesday, November 18, 2015
Arrival Time	16:26:43	
Controlled Date and Time		
Last Unit Cleared Date and Time	22:12:31	Wednesday, November 18, 2015
Response Time	0:03:11	
Priority Response	Yes	
Completed	Yes	
Reviewed	Yes	
Fire Department Station	CB5	
Shift	A	
Incident Type	135 - Aircraft fire	
Aid Given or Received	2 - Automatic aid received	
Mutual Aid Department	VTAFD-Vista Fire Department	
Action Taken 1	11 - Extinguish	
Action Taken 2	23 - Extricate, disentangle	
Casualties	No	
EMS Provided	Yes	
Apparatus - Suppression	11	
Apparatus - EMS	3	
Personnel - Suppression Personnel	11	
Personnel - EMS Personnel	4	
Property Loss	$0.00	
Contents Loss	$0.00	
Property Value	$0.00	
Contents Value	$0.00	
Property Use	972 - Aircraft runway	
Location Type	Address	
Address	2198 Palomar Airport RD	
City, State Zip	Carlsbad, CA 92008	
Directions	2198 Palomar Airport Rd	
Latitude	33.125410	
Longitude	-117.275414	
Map Page	5518C	

Situation	
Initial Dispatch Code	PLANE CRASH
Final Dispatch Code	PLANE CRASH

Person Involved - ,	
Involvement Code	RP
Street Address	

Fire	
Area of Origin	UU - Undetermined
Heat Source	UU - Undetermined

Fire	
Item First Ignited	UU - Undetermined
Cause of Ignition	5 - Cause under investigation
Contribution To Ignition 1	UU - Undetermined
Mobile Equipment Involved	3 - Involved in ignition and burned
Mobile Equipment Type	55 - Helicopter - nonmilitary
Mobile Equipment Make	MG - Moto Guzzi

Apparatus - 22R3	
Apparatus ID	22R3
Apparatus Dispatch Date and Time	16:23:32 Wednesday, November 18, 2015
Apparatus Clear Date and Time	16:23:40 Wednesday, November 18, 2015
Apparatus priority response	Yes
Apparatus cancelled after dispatch	Yes
Apparatus Use	1
Apparatus Action Taken 1	93 - Cancelled en route
Apparatus Type	00 - Other apparatus/resource

Apparatus - OES62	
Apparatus ID	OES62
Apparatus Dispatch Date and Time	16:23:32 Wednesday, November 18, 2015
Apparatus Clear Date and Time	16:29:52 Wednesday, November 18, 2015
Apparatus priority response	Yes
Apparatus cancelled after dispatch	Yes
Apparatus Use	1
Apparatus Action Taken 1	93 - Cancelled en route
Apparatus Type	24 - Tanker or tender

Apparatus - 2150	
Apparatus ID	2150
Apparatus Dispatch Date and Time	16:32:16 Wednesday, November 18, 2015
En route to scene date and time	16:34:57 Wednesday, November 18, 2015
Apparatus Clear Date and Time	16:42:20 Wednesday, November 18, 2015
Apparatus priority response	Yes
Apparatus cancelled after dispatch	Yes
Apparatus Use	1
Apparatus Action Taken 1	93 - Cancelled en route
Apparatus Type	24 - Tanker or tender

Apparatus - MAIR5	
Apparatus ID	MAIR5
Apparatus Dispatch Date and Time	16:41:34 Wednesday, November 18, 2015
En route to scene date and time	16:41:40 Wednesday, November 18, 2015
Apparatus Clear Date and Time	16:48:34 Wednesday, November 18, 2015
Apparatus priority response	Yes
Apparatus Use	2
Apparatus Action Taken 1	92 - Standby

Apparatus - MAIR5	
Apparatus Type	76 - ALS unit

Apparatus - 2202	
Apparatus ID	2202
Response Time	0:00:26
Apparatus Dispatch Date and Time	16:28:40 Wednesday, November 18, 2015
En route to scene date and time	16:29:04 Wednesday, November 18, 2015
Apparatus Arrival Date and Time	16:29:06 Wednesday, November 18, 2015
Apparatus Clear Date and Time	20:21:00 Wednesday, November 18, 2015
Apparatus priority response	Yes
Number of People	1
Apparatus Use	1
Apparatus Action Taken 1	83 - Provide information to public or media
Apparatus Type	92 - Chief officer car
Personnel 1	03729 - Lopez, Mike A
	Position: FCDIV

Apparatus - 2204	
Apparatus ID	2204
Response Time	0:05:59
Apparatus Dispatch Date and Time	16:23:32 Wednesday, November 18, 2015
En route to scene date and time	16:24:12 Wednesday, November 18, 2015
Apparatus Arrival Date and Time	16:29:31 Wednesday, November 18, 2015
Apparatus Clear Date and Time	22:07:31 Wednesday, November 18, 2015
Apparatus priority response	Yes
Number of People	1
Apparatus Use	1
Apparatus Action Taken 1	81 - Incident command
Apparatus Type	92 - Chief officer car
Personnel 1	03730 - Osuna, Luis R
	Position: FCBAT

Apparatus - 2275	
Apparatus ID	2275
Response Time	0:06:27
Apparatus Dispatch Date and Time	16:23:32 Wednesday, November 18, 2015
En route to scene date and time	16:26:23 Wednesday, November 18, 2015
Apparatus Arrival Date and Time	16:29:59 Wednesday, November 18, 2015
Apparatus Clear Date and Time	22:08:13 Wednesday, November 18, 2015
Apparatus priority response	Yes
Number of People	3
Apparatus Use	1
Apparatus Action Taken 1	23 - Extricate, disentangle
Apparatus Type	12 - Truck or aerial
Personnel 1	03728 - Arguelles, Dominic

Apparatus - 2275	
	Position: FCAP
Personnel 2	05995 - Pinon, Jesse A
	Position: FENG
Personnel 3	10143 - Nelson, Kyle J
	Position: FFPM

Apparatus - 2212	
Apparatus ID	2212
Response Time	0:07:29
Apparatus Dispatch Date and Time	16:23:32 Wednesday, November 18, 2015
En route to scene date and time	16:25:14 Wednesday, November 18, 2015
Apparatus Arrival Date and Time	16:31:01 Wednesday, November 18, 2015
Apparatus Clear Date and Time	22:07:39 Wednesday, November 18, 2015
Apparatus priority response	Yes
Number of People	3
Apparatus Use	1
Apparatus Action Taken 1	70 - Assistance, other
Apparatus Type	11 - Engine
Personnel 1	05706 - Pearson, Nate W
	Position: FCAP
Personnel 2	06206 - Clark, Josh E
	Position: FENG
Personnel 3	10311 - Flores, Chris
	Position: FFPM

Apparatus - 2292	
Apparatus ID	2292
Response Time	0:07:38
Apparatus Dispatch Date and Time	16:23:32 Wednesday, November 18, 2015
En route to scene date and time	16:24:13 Wednesday, November 18, 2015
Apparatus Arrival Date and Time	16:31:10 Wednesday, November 18, 2015
Apparatus Clear Date and Time	17:31:35 Wednesday, November 18, 2015
Apparatus priority response	Yes
Number of People	2
Apparatus Use	2
Apparatus Action Taken 1	30 - Emergency medical services, other
Apparatus Type	76 - ALS unit
Personnel 1	06928 - Bessant, Drew W
	Position: FFPM
Personnel 2	10335 - Holmes, Todd
	Position: FFPM

Apparatus - 1215	
Apparatus ID	1215
Response Time	0:07:54
Apparatus Dispatch Date and Time	16:23:32 Wednesday, November 18, 2015

Apparatus - 1215	
En route to scene date and time	16:24:32 Wednesday, November 18, 2015
Apparatus Arrival Date and Time	16:31:26 Wednesday, November 18, 2015
Apparatus Clear Date and Time	17:07:15 Wednesday, November 18, 2015
Apparatus priority response	Yes
Apparatus Use	1
Apparatus Action Taken 1	23 - Extricate, disentangle
Apparatus Type	11 - Engine

Apparatus - 2295	
Apparatus ID	2295
Response Time	0:07:27
Apparatus Dispatch Date and Time	16:25:17 Wednesday, November 18, 2015
En route to scene date and time	16:25:18 Wednesday, November 18, 2015
Apparatus Arrival Date and Time	16:32:44 Wednesday, November 18, 2015
Apparatus Clear Date and Time	17:11:30 Wednesday, November 18, 2015
Apparatus priority response	Yes
Number of People	2
Apparatus Use	2
Apparatus Action Taken 1	23 - Extricate, disentangle
Apparatus Type	76 - ALS unit
Personnel 1	06775 - Gallucci, Joey N Position: FFPM
Personnel 2	10309 - Acosta, Michael Position: FFPM

Apparatus - 2214	
Apparatus ID	2214
Response Time	0:09:27
Apparatus Dispatch Date and Time	16:23:32 Wednesday, November 18, 2015
En route to scene date and time	16:24:17 Wednesday, November 18, 2015
Apparatus Arrival Date and Time	16:32:59 Wednesday, November 18, 2015
Apparatus Clear Date and Time	17:08:41 Wednesday, November 18, 2015
Apparatus priority response	Yes
Number of People	3
Apparatus Use	1
Apparatus Action Taken 1	70 - Assistance, other
Apparatus Type	11 - Engine
Personnel 1	02427 - Gates, Dennis W Position: FCAP
Personnel 2	06155 - Newlin, Matt S Position: FFPM
Personnel 3	06547 - Lloyd, Kyle D Position: FENG

Apparatus - 2201	
Apparatus ID	2201

Apparatus - 2201	
Response Time	0:00:04
Apparatus Dispatch Date and Time	16:47:28 Wednesday, November 18, 2015
En route to scene date and time	16:47:30 Wednesday, November 18, 2015
Apparatus Arrival Date and Time	16:47:32 Wednesday, November 18, 2015
Apparatus Clear Date and Time	21:59:11 Wednesday, November 18, 2015
Apparatus priority response	Yes
Apparatus Use	1
Apparatus Action Taken 1	70 - Assistance, other
Apparatus Type	92 - Chief officer car

Apparatus - HAZ1	
Apparatus ID	HAZ1
Response Time	1:10:17
Apparatus Dispatch Date and Time	16:39:30 Wednesday, November 18, 2015
En route to scene date and time	16:45:40 Wednesday, November 18, 2015
Apparatus Arrival Date and Time	17:49:47 Wednesday, November 18, 2015
Apparatus Clear Date and Time	21:41:14 Wednesday, November 18, 2015
Apparatus priority response	Yes
Apparatus Use	1
Apparatus Action Taken 1	40 - Hazardous condition, other
Apparatus Type	93 - HazMat unit

Authority	
Reported By	03730 - Osuna, Luis R 08:39:52 Tuesday, November 24, 2015
Officer In Charge	- ,
Reviewer	02574 - Pachek, Jeff E 19:35:24 Tuesday, November 24, 2015

Narratives	
Narrative Name	Narrative
Narrative Type	Incident
Narrative Date	08:48:41 Friday, November 20, 2015
Author	03730 - Osuna, Luis R
Author Rank	FCBAT
Author Assignment	1
Narrative Text	At 1623 hours on Wednesday November 18, 2015 we were dispatched to a Alert 3 helicopter crash. We arrived on scene at 1626 hours and cleared at 2212 hours. The incident occurred at 2198 Palomar Airport Rd, Carlsbad. The local station is CB5. The general description of this property is Palomar Airport on the taxi area of the runway. The primary task(s) performed at the scene by responding personnel was extinguishment and rescue. 2204 notes:

Narratives

2204 arrived on scene and encountered an active crash site, a helicopter was spinning and rotating on the taxi way area with a large amount of smoke coming from the helicopter. The helicopter came to a rest and Rescue 8 used a deck gun and extinguished the fire.

Fire crews went into rescue mode with the following assignments:
2275/ Extrication & stabilization.
2212 / provide safety for crews with hose lines & foam application. 2212 Captain assigned the Safety Position.
Rescue 8 / provide safety for crews with hose lines & foam application.
1215 / assigned to assist with extrication.
2295 / assigned to assist with extrication.
2292 / assigned Medical Group.
2214 / lay supply line to 2212 & LZ coordinator.
Carlsbad Police units provided scene & perimeter security
2202/ assigned PIO
2201 / assisting the IC

The fuel leak was secured and battery power was disconnected.

Other agencies requested and arrived:
FAA
NTSB

Airport Manager

Fire crews went available and left the scene to NTSB, FAA, Airport Manager and Rescue 8.

The cause of ignition is under investigation.

Alarm number 0010849 has been assigned to this incident.

End of Report

SP.

[redacted]

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222
Fax #: 338-2174

SITE ASSESSMENT AND MITIGATION DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

August 5, 1993

Mr. Nick Beers
AIG Insurance Company
5700 Wilshire Blvd., Suite 456E
Los Angeles, CA 90036

Dear Mr. Beers:

RE: UNAUTHORIZED RELEASE: H10424-001 (T75)
RELEASE OF JET FUEL FROM LEAR JET AT PALOMAR AIRPORT

The site remediation information submitted to this agency by Polar Pacific Incorporated, summarizing the site characterization and mitigation activities at the above referenced location has been reviewed. With the provision that the information provided to this agency was accurate and representative of existing conditions, it is the position of this office that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Additionally, be advised that changes in the present or proposed use of the site may require further site characterization and mitigation activity. It is the property owner's responsibility to notify this agency of any changes in report content, future contamination findings, or site usage.

Thank you for your efforts in resolving this matter. Please contact Steven Durham, Hazardous Materials Specialist, at (619) 338-2373, if you require additional assistance.

Sincerely,

CHUCK PRYATEL, Division Manager
Site Assessment and Mitigation Division

CP:cl

cc: Joyce Proctor, Polar Pacific Incorporated
Robert Alislagers, McClellan-Palomar

WP\H10424.LTR

SITE ASSESSMENT CASE CLOSURE SUMMARY

HMMD FILE NUMBER **H10424-001 (T75)** DATE: July 30, 1993
RESPONSIBLE PARTY: **Nick Beers** STAFF: STEVEN DURHAM
AIG Insurance Co, 5700 Wilshire Blvd, Suite 456E
Los Angeles, CA 90036
(213) 965-5250
SITE/FACILITY NAME: **Palomar Airport-Lear Jet Crash, Reg #N44PA**
SITE/FACILITY ADDRESS: **2198 Palomar Airport Rd, Carlsbad, CA 92008-4814**
CONTACT PERSON: **Robert Alislagers**
MAILING ADDRESS: **McClellan-Palomar Airport**
2198 Palomar Airport Rd
Carlsbad, CA 92008
(619) 431-4640

OFF SITE IMPACTS?	**NO**
BENEFICIAL USE GROUND WATER?	**NO**
GROUND WATER AFFECTED?	**NO**
KNOWN PUBLIC HEALTH THREATS?	**NO**
ADDITIONAL MONITORING REQUIRED?	**NO**
CONSULTANT'S REPORT(S) ON FILE?	**YES** (POLAR PACIFIC)
FULL DELINEATION ACHIEVED?	**YES**

CONCURRENCE WITH RWQCB STAFF: ROSALIND DIMENSTIEN DATE: **7/30/93**
CONCURRENCE WITH HMMD SUPERVISOR: JOHN MENATTI DATE: **6/3/93**
CONCURRENCE WITH SAM HYROGEOLOGIST: KEVIN HEATON DATE: **6/3/93**

DISPOSAL AND REMEDIATION

CAUSE AND TYPE OF RELEASE: On Dec 23, 1991, Lear Jet N44PA overran runway 24 at Palomar Airport. As a result of this accident, 250 gallons of **Jet A fuel** leaked from the aircraft right wing's fuel tank onto the ground. This fuel contaminated a 7' by 25' area to a depth of 4 feet.

CONTAMINANT CHARACTERIZATION: Soil contamination limited to Jet A fuel, a kerosene-based liquid.

QUANTITY OF CONTAMINATED SOIL EXCAVATED: 28 cubic yards.

TYPE OF REMEDIATION USED: Excavation and passive bioremediation.

QTY OF SOIL DISPOSED: N/A MANIFESTS PROVIDED? N/A

DISPOSAL LOCATION: Remediated soils used to backfill excavation from which it was removed.

CLEANUP LEVELS ESTABLISHED: SOIL- 1000 mg/kg Total Petroleum Hydrocarbons.

Maximum Contaminant Concentrations Remaining On Site: TPH = 23 mg/kg.

Title

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

CHECKED
12-2-91
Fred Allen

November 19, 1991

Thomas Humphrey
AIG Aviation Insurance Services
3200 Wilshire Boulevard, Suite 1105
Los Angeles, CA 90010

Dear Mr. Humphrey:

RE: FLIGHT INTERNATIONAL LEARJET N51FN CRASH SITE, WEST END OF McCLELLAN-PALOMAR AIRPORT RUNWAY,
2198 PALOMAR AIRPORT ROAD, CARLSBAD, CA
HMMD #H13987-002

The site remediation information submitted to this agency by Applied Consultants, summarizing the site characterization and mitigation activities at the above referenced location has been reviewed. With the provision that the information provided to this agency was accurate and representative of existing conditions, it is the position of this office that no further action is required at this time.

This information has also been discussed with staff of the Regional Water Quality Control Board (RWQCB). Based on the information submitted and current requirements, the RWQCB concurs with the determination of this agency that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Additionally, be advised that changes in the present or proposed use of the site may require further site characterization and mitigation activity. It is the property owner's responsibility to notify this agency of any changes in report content, future contamination findings, or site usage.

Thank you for your efforts in resolving this matter. Please contact Fred Allee of the Hazardous Materials Management Division at 338-2470, if you require additional assistance.

Sincerely,

VICTORIA L. GALLAGHER, Chief
Hazardous Materials Management Division

VLG:cmc

cc: James Munch-RWQCB
Al Ransom-Flight International Group, Inc.
David Lesperance-Applied Consultants
Rick Jenkins-Manager, McClellan-Palomar Airport
Clarence Kaufman-Assistant Deputy Director, Airports, County Public Works
Lelani Miller-Bank of America (Orange)
S.H. Speer-Bank of America (San Diego)
Jaime Fontes-County Public Works, Airports

bcc: Fred Allee - HMMD
Theresa Stovern - HMMD
Vickie Church - HMMD
Alec Naugle - HMMD
Candace Nothwanger - HMMD
Erlinda Sison
Collen Confer

SITE ASSESSMENT CASE CLOSURE SUMMARY

HMMD FILE NUMBER H13987 -001 H75 DATE: OCTOBER 29, 1991

RESPONSIBLE PARTY: AIG AVIATION INSURANCE SERVICES, INC. STAFF: FRED ALLEE

CONTACT PERSONS: RICK JENKINS, MANAGER PHONE: 431-1328

FACILITY NAME: McCLELLAN-PALOMAR AIRPORT

SITE/FACILITY ADDRESS: 2198 PALOMAR AIRPORT ROAD, CARLSBAD, CA

MAILING ADDRESS: AIG AVIATION INSURANCE SERVICES, INC., 3200 WILSHIRE BLVD., SUITE 1105, LOS ANGELES, CA 90010

IF YES TO ANY OF THE FOLLOWING, EXPLAIN IN THE COMMENTS SECTION BELOW.

	(DELETE ONE)	
OFF SITE IMPACTS?	NO	
BENEFICIAL USE GROUND WATER? *	YES	*COMMENT NOT NECESSARY
GROUND WATER AFFECTED?	NO	
KNOWN PUBLIC HEALTH THREATS?	NO	
ADDITIONAL MONITORING REQUIRED?	NO	
CONSULTANT'S REPORTS ON FILE?*	YES	
FULL DELINEATION ACHIEVED?*	YES	

CONCURRENCE WITH RWQCB STAFF: Yes, Jim Munch DATE: OCTOBER 28, 1991

DISPOSAL AND REMEDIATION

CAUSE AND TYPE OF RELEASE: JET 'A' FUEL SPILL RESULTING FROM AIRCRAFT CRASH

QTY OF SOIL/PRODUCT DISPOSED: NONE MANIFESTS PROVIDED? N/A

DISPOSAL LOCATION: N/A

CLEAN-UP LEVELS ESTABLISHED: 100 mg/kg (TPH)

TYPE OF REMEDIATION USED AT SITE: DILUTION DURING EXCAVATION, PASSIVE AERATION AND BIODEGRADATION DURING STOCKPILING

MAXIMUM CONCENTRATIONS REMAINING ON SITE:

HALOGENATED ORG.	BTXE	VOLATILE ORG.
NA	<0.5, 0.65, 14.0, 1.9 ppm	NA

SEMIVOLATILE ORG.	PESTICIDES & PCB's	8015/DHS - TPH
NA	NA	92 ppm

ORGANIC LEAD	418.1 - TRPH	
NA	NA	

ADDITIONAL COMMENTS:

BCC ADDRESSES

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101
JAMES A. FORDE, Director

FOR HMMU USE
COMPLAINT # T0382
PC # _____
EST. _____

To: California Water Resources Control Board, San Diego Region
From: Hazardous Materials Management Unit (HMMU)
Re: Unauthorized Release of Hazardous Material from an Underground Storage Tank

Date: 11/3/86

Evidence of an unauthorized release of a hazardous material has been noted by HMMU staff at the site described below:

Site Address: 2016 C PALOMAR AIRPORT RD (Street) | CARLSBAD (City) | 92008 (Zip Code)

Property Owner: MOLLER AND SONS, INC (Name)
7711 WOODLEY AVE (Street) | VAN NUYS (City) | 91406 (Zip Code)
Telephone (818) 994-8991

Tank Operator: MOLLER AND SONS INC (Name) | 619 438 9377 (Telephone)

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s): 10,000 GALLON JET FUEL TANK

Amount Released: UNK (Gallons) UNK (Time Period)

Release Detected By:

- ✓ Routine Tank Testing
- ___ Test of Piping
- ___ Inventory Audit
- ___ Monitoring Device/Well
- ___ Evidence of Soil Contamination Detected During Tank Removal
- ___ Evidence of Leaky Tank Detected During Tank Removal
- ___ Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). JET FUEL, 10,000 GALLON TANK STEEL. LEAK PROBABLY IN VENT OR VAPOR LINES SINCE TANK PASSED

Date Release Reported to or Detected by HMMU: 11/3/86
Contact With Other Agencies: _____
Additional Comments: FAILED PRECISION TEST BY WESTERN DUMP (HONER EZY CHECK).

Please call the HMMU at 236-2222 if you have questions or comments regarding the above

HMMU Staff: M. VERNETTI

PRECISION TEST FAILURE

DATE 10/31/86 EST # _____

SITE STREET ADDRESS 2016 C Paloma Airpark CITY Carlsbad ZIP 92008

CONTACT PERSON Heather McCurdy PHONE # (619) 438-9377

MAILING STREET ADDRESS Same CITY _____ ZIP _____

PROPERTY OWNER Moller & Sons, Inc MAILING ADDRESS 7711 Woodley Ave Van Nuys 91406

PRECISION TEST: FAILED X PASSED _____

TEST TYPE Hasmen EZ Check RESULTS loss 1.0 ga (GPH)

CONTRACTOR/TESTER Western Pump PRODUCT jet fuel CAPACITY 10,000

INITIAL TEST DATE Oct 15 RETEST RESULTS _____

REMARKS _____

POSSIBLE REASON/LOCATION OF FAILURE:

_____ PRODUCT LINE _____ VAPOR POCKET

_____ TANK _____ OTHER _____

X VENT/VAPOR LINE _____

WAS THE TANK ISOLATED FROM LINES DURING TESTING? YES X NO _____ UNKNOWN _____

IF YES, IS FAILURE ASSOCIATED WITH THE TANK? YES _____ NO X UNKNOWN _____

DOES THE REPORTING PERSON HAVE A COPY OF THE REGULATIONS? YES _____ NO _____ UNKNOWN _____

CONTACT ☐ RWQCB 265-5114 _____

☐ FIRE DISTRICT (PHONE #/CONTACT) _____

☐ HMMU NOTICE

☐ OTHER _____

_____

D.H.S. DIV. OF E.H.P. HAZ. MAT. UNIT NOV 2 3 18 PM '86

HAZARDOUS MATERIALS SPECIALIST _____

T file No File # for T II 5/11/88

C 2739

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 236-2222

April 27, 1988

Summit Heritage Corporation
dba Moller & Sons, Inc.
P. O. Box 2788
Culver City, CA 90230
Nevin D. Whiteley, Controller

RE: UNAUTHORIZED RELEASE #T0382/H20083
2016 Palomar Airport Rd., Carlsbad

Dear Mr. Whiteley:

The written report received April 18, 1988 regarding a failed precision test of an underground storage tank system at the above referenced site has been reviewed by the Hazardous Materials Management Division (HMMD). Based on the information provided, the situation has been resolved to the satisfaction of the HMMD and no further action regarding the suspected unauthorized release is required at this time. The underground storage tank system has been re-tested and certified tight by Western Pump, Inc. on November 30, 1987 after only minor adjustments to the system.

Should any information come to light in the future to indicate that an unauthorized release (leak) has occured at this site, please be advised that the unauthorized release must be reported to the HMMD within 24 hours in accordance with Section 25295 of the California Health and Safety Code.

Please do not hesitate to call me at (619) 236-2222 if you have any questions regarding this matter.

Sincerely,

Mike Vern

MIKE VERNETTI, Hazardous Materials Specialist
Hazardous Materials Management Division

MV:jw

cc: Scott Hugenberger, RWQCB

2192 Palomar Airport Road

APCD2007-SITE-06159

Site History

Detailed Description:

Record Status: Active

Contacts

APCD PTO Mailing	PALOMAR AIRPORT	2192 PALOMAR AIRPORT RD	CARLSBAD, CA	92011	7609663272
APCD Equipment Location	PALOMAR AIRPORT	2192 PALOMAR AIRPORT ROAD	CARLSBAD, CA	92008	7609663272
APCD Invoice Mailing	PALOMAR AIRPORT	2192 PALOMAR AIRPORT ROAD	CARLSBAD, CA	92011	7609663272

Military Base	-	Type Ownership:	-	
Military Activity	-	Name of Legal Owner:	-	
PERP	-	TPY:	-	
Title V	-	Inspection Sectors:	15	**Parcel #: -**
SIC:	3443	VAX Site ID:	11160 A	
Inspection Month:	5	Source Test Alias:	-	
Renewal Month:	8	Expiration Month:	11/2016	
Frequency:	-	Delinquent Month::	-	
Site Status:	A			

Open Applications:	0	Active Permits:	1	Breakdowns:	0	Notices of Violation:	2
Approved Applications:	1	Approved Permits:	0	Corrective Actions:	0	Notices to Comply:	0
Cancelled Applications:	0	Retired Permits:	0	Complaints:	1	Notices to Repair:	0
Denied Applications:	0			Hearing Board Items:	0	Title V:	0
				Jobs:	0	Vapor Recovery Test:	5

Parent: APCD2007-APP-985181 **Equipment Type:** [26C] Phase I **Units:** 1 **Status:** Active

BEC: 13166 **LEGACY BEC:** 13166 **Opened:**07/31/2009

Permit Description: AVGAS DISPENSING FACILITY: TO FUEL AIRCRAFTS ONLY
PHASE I VRS: TWO POINT PER ARB E.O. G-70-102-A
PHASE II VRS: NOT REQUIRED
TANK(S): ONE (1) 12,000 GALLON STEEL TANK INSTITUTES "FIREGUARD" ABOVEGROUND, AVGAS PER ARB E.O. G-70-162-AP/V VENT (+3" & -8" WC) (APPL 985181/DMW-10/NOV-2007)

Notes:

Inspection Frequency: - **Expiration:** 8/31/2017 **Expiration Status:**Active

Source Test: - **Source Test Frequency:**

Conditions

#	Name	Description
1	C29480	Unless otherwise specified by this Permit, the Phase I Vapor Recovery System and Aboveground Storage Tank(s) specified in the equipment description of this Permit shall be installed, operated, and maintained in accordance with the applicable California Air Resources Board Executive Order(s) and District Rules and Regulations. (Rule 61.3)
2	C29325	A copy of the California Air Resources Board Executive Order specified in the equipment description and this Permit to Operate shall be maintained on-site at all times and made available to the District upon request. (Rule 61.3)
3	C29481	Only components certified by the California Air Resources Board (CARB) for use with the Aboveground Storage Tank(s) and the Phase I Vapor Control System specified in the equipment description shall be installed at this facility. (Rules 61.3 and 61.8)
4	C29154	All Phase I components certified by the California Air Resources Board (CARB) and installed at this facility shall be clearly identified by a permanent identification showing the manufacturer's make and model number, unless the component is specifically exempt from this requirement by CARB in writing. (Rules 61.3 and 61.3.1)
5	C27379	All liquid transfer lines, piping, and associated fittings shall be maintained so that there are no fugitive liquid leaks as defined by Rule 61.0(k) or fugitive vapor leaks as defined by Rule 61.0(l). (Rule 61.2 or 21)
6	C29372	The permittee shall ensure that the Phase I tank truck and trailer vapor recovery system are utilized during each transfer of Avgas and that product and vapor (poppet) caps are securely replaced and remain in place following each such transfer. (Rules 61.1 / 61.3)
7	C29373	During Avgas transfers from any mobile transport tank into stationary storage tank(s), the vapor return hose and Avgas hose connections shall be made in the following order: (1) connect the vapor return hose to the fuel delivery truck drybreak, (2) connect the vapor return hose to facility storage tank drybreak, (3) connect the Avgas hose to the facility storage tank fillpipe adapter, and (4) connect the Avgas hose to the fuel delivery truck product fitting. At the end of the fuel dump, the disconnections shall be made in reverse order of the connections, i.e., (4),(3),(2), and (1), wherein the Avgas transfer hose shall be connected or disconnected only while the vapor return hose is connected and functional. (Rules 61.1/61.3)
8	C29482	All storage tanks containing Avgas shall be equipped with a permanent submerged fill pipe which has a discharge opening entirely submerged when the liquid level is six (6.0) inches above the bottom of the tank or eighteen (18) inches for side-filled tanks. (Rule 61.3)
9	C29484	If installed, containment boxes shall be maintained free of standing AVGAS. (Rule 61.3)
10	C29375	If installed, spill boxes' drain valves or drain plugs shall be permanently sealed.

11	C29483	The permittee shall record the volume of Avgas dispensed at this facility in any calendar month. Monthly Avgas throughput records shall be maintained onsite for at least three (3) years and made available to the District upon request. (Rule 61.3)
12	C28879	The tests referenced in Attachment B shall be conducted and passed at least once every calendar year within forty-five (45) calendar days prior to the first day of the permit expiration month. The permittee and/or their designated testing agent shall report all test results completely and accurately to the District Compliance Division within fifteen (15) calendar days of conducting these annual tests in a format approved by the District Compliance Division. (Rules 21, 61.3, 61.4, and 61.8)
13	C29212	The permittee and/or the designated testing agent shall notify the District's Compliance Division, in writing, fifteen (15) calendar days prior to conducting the required annual tests and shall include the date and the time in a format approved by the District Compliance Division. (Rules 21, 61.3, 61.3.1, 61.4, and 61.4.1)
14	C28877	Copies of all tests shall be maintained on site for three (3) years and made immediately available to the District upon request. (Rules 21, 61.3,61.3.1, 61.4 and 61.4.1)
15	C29485	In the event of any failed test, the permittee shall make all necessary repairs, reschedule, and retest within seven (7) calendar days of the failed test. Notice of any retest, including the date, time, and nature of repairs made, conducted on a subsequent date after the initial test date, shall be provided to the District Compliance Division in writing (e-mail or facsimile are acceptable) as soon as possible and prior to the retest. All retest results shall be reported completely and accurately and submitted to the District Compliance Division within fifteen (15) calendar days of conducting the retest in a format approved by the District Compliance Division. (Rule 21)

Inspection	Date	Inspector	Status
Routine	9/6/2016	Kim Impreso	Completed
Routine	5/13/2015	Kent Mesplay	Completed
Routine	1/14/2015	Kent Mesplay	Completed
Routine	8/8/2013	Kent Mesplay	Completed

Version History

Version Number	Revision Date	Application	Site	Reason
1	11/14/2011	APCD2007-APP-985181	APCD2007-SITE-06159	

Parent: APCD2007-SITE-06159

Status: Approved

Record Type: LUEG-APCD/Permit App/Vapor Recovery/NA

VAX ID: -

Source Category:

Additional Information : -

Assigned to: Diana Williams (858) 586 2730

Time & Material: No

Addresss: 2192 PALOMAR AIRPORT ROAD, CARLSBAD 92008
Date Submitted: 3/29/2007
Reason for Submittal: N
Expedited Application: -

Inspection	Date	Inspector	Status

Workflow

Task	Status	Date	Action By:
Application Acceptance		4/7/2009	
Completeness Determination		4/7/2009	
Approve Authority to Construct		4/7/2009	
Issue Authority to Construct		4/7/2009	
Issue Startup Authorization		4/7/2009	
Issue Permit to Operate		4/7/2009	

Parent: APCD2007-PTO-985181

Recieved by:

Title:

Status: Open - AQI III

Date Issued: 9/8/2016

Short Notes: 227384

Assigned to: William Jacques (858) 586 2685

Compliance Date: -

Disposition: -

Violation Began: 6/16/2015

Violation Ends: 9/6/2016

Statute of Limitations: -

Pollutant in Violation: -

Pollutant that makes TV/SM: -

Variance: -

Count	Law Type	Category	Section	Rule	Description	Permit Cond#
1	District Rules	Permit to Operate	21	Permit Conditions	Failing to conduct and pass the required vapor recovery test at least once every calendar year within forty-five (45) calendar days prior to the first day of the expiration month (08/31). Specifically, failing to conduct and pass the required vapor recovery test for the 2015 and 2016 calendar year.	12

Inspection	Date	Inspector	Status

APCD2007-SITE-06159

APCD2007-NOV-218838

Parent: APCD2007-PTO-985181

Recieved by:

Title:

Status: Closed - Paid

Date Issued: 7/17/2007

Short Notes:

Assigned to: Greg Gjerde (858) 586-2655

Compliance Date: -

Disposition: MS

Violation Began: 2/23/2007

Violation Ends: 4/24/2007

Statute of Limitations: -

Pollutant in Violation: -

Pollutant that makes TV/SM: -

Variance: -

Count	Law Type	Category	Section	Rule	Description	Permit Cond#

Inspection	Date	Inspector	Status

AIR POLLUTION CONTROL DISTRICT
COMPLIANCE DIVISION
10124 OLD GROVE RD. SAN DIEGO CA 92131
PHONE (858) 586-2650 FAX (858) 586-2651

VAPOR RECOVERY TEST DATA COVER SHEET

☑ **Renewal Test** ☐ **Quarterly** ☐ **Combined (eng/com)** ☐ **ISD Alarm Response** ☐ **District Witness/Testing**

Facility DBA:_____ **PO Number:** _____ **APP Number:**_____

Site Address: _____ **City/Zip Code:**_____

Test Company Name:_____ **Phone:**_____

Address, City/Zip Code:_____

Date of Test:_____ **District Witness**:_____

Required Certifications:

1. Tester's Name:_____ Signature:_____

SCAQMD Cert No: 175671

ICC (VR System Installation, Repair- VI/VT) Cert No: 8130627 Expiration Date: 2017-10-13

Phase I Manufacturer Cert Number: 000493 Expiration Date: 2018-12-26

Phase II Manufacturer Cert Number: N/A Expiration Date: _____

Veeder Root ISD Cert Number: N/A Expiration Date: _____

INCON Level V Cert Number: N/A Expiration Date: _____

2. Tester's Name:_____ Signature:_____

SCAQMD Cert No:_____

ICC (VR System Installation, Repair- VI/VT) Cert No: _____ Expiration Date:_____

Phase I Manufacturer Cert Number:_____ Expiration Date:_____

Phase II Manufacturer Cert Number:_____ Expiration Date: _____

Veeder Root ISD Cert Number:_____ Expiration Date: _____

INCON Level V Cert Number:_____ Expiration Date: _____

Vapor Recovery Test Record ID:_____

Tests Conducted and Data Forms Attached:

- ☐ Exhibit 4 VR-201/202, [Exhibit 14 VR-203/204] Determination of Static Pressure Performance of the Healy Clean Air Separator
- ☑ TP 201.1E Leak Rate of Pressure/Vacuum Relief Vent Valves
- ☐ TP 201.1B Static Torque of Rotable Phase I Adaptors
- ☐ TP 201.1C/D Drop Tube/Drain Valve Pressure Integrity
- ☑ TP 96-1, TP 201.3 or EO 401/402 Exhibit 4 Pressure Decay Test
- ☐ TP 201.4 Dynamic Back Pressure
- ☐ Liquid Removal for Exhibit 5 of VR-203/204 Option 1 and TP 201.6C Liquid Removal (Pre EVR)
- ☐ Exhibit 8 VST ECS Hydrocarbon Sensor Verification Test Procedure for VR-203/204
- ☐ Exhibit 9 Determination of VST ECS Processor Activation Pressure for VR-203/204
- ☐ Exhibit 10 Vapor Pressure Sensor Verification Procedure for VR-203/204
- ☐ Exhibit 11 Veeder Root Vapor Polisher Operability Test Procedure VR 203/204
- ☐ Exhibit 12 Veeder Root Vapor Polisher Hydrocarbon Emmisions Verification Test Procedure VR203/204
- ☐ Exhibit 13 Hirt VCS 100 Processor with Indicator Panel Operability Test Procedure VR 203/204 or Exhibit 8 VR 208
- ☐ Exhibit 15 Green Machine Compliance Procedure VR 203/204
- ☐ Liquid Condensate Trap Compliance Procedure - Exhibit 9 of VR-201, Exhibit 11 of VR-202, and Exhibit 16 of VR-203/4
- ☐ Exhibit 17 Veeder Root ISD Vapor Flow Meter Operability Test for VR-204
- ☐ Exhibit 19/20 (19) INCON ISD flow meter operability, [VR 208 Ex 10] and (20) INCON ISD pressure sensor verification, [VR 208 Ex 11]
- ☐ Exhibit 5 Vapor to Liquid Ratio VR 201/202 (Roots)
- ☐ Exhibit 5 Vapor to Liquid Ratio VR 201/202 (Tritester)
- ☐ Exhibit 7 (VR201-208), Nozzle Bag Test
- ☐ Exhibit 9 Veeder Root ISD Operability VR 202
- ☐ Exhibit 10 INCON ISD Operability VR 202
- ☐ VP 1000 Vacuum Pump Tightness Test VR 201/202 IOM
- ☐ Exhibit 4 (G-70-187) Vapor Return Line Vacuum Integrity Test
- ☐ Exhibit 5 (G-70-187) Fillneck Vapor Pressure Regulation Test

This form must be complete, accurate and submitted along with the specific test data form in order for your data to meet District requirements. By completing and submitting this form you certfiy the tester named was repsonsible for conducting all tests checked. Any testers responsible for conducting tests must be recorded on this form with applicable certification numbers.

SAN DIEGO AIR POLLUTION CONTROL DISTRICT
COMPLIANCE DIVISION
10124 OLD GROVE ROAD
SAN DIEGO CA 92131-1649
PHONE (858) 586-2650 FAX (858) 586-2651

APCD USE ONLY
SECTOR
ID#
NOV#

LEAK RATE OF PRESSURE/VACUUM RELIEF VENT VALVES
TP 201.1E

Facility Name: _____ **A/C or PO Number:** _____ **Time of Test:** 9:10 AM
(Record exact time of test in order to demonstrate proper test sequencing as required in Attachment A or L)

Grade (Check One) ☑ **87** ☐ **89** ☐ **91** **Manifold** ☐
P/V Valve Manufacturer: HUSKY **Model Number:** 5885

Measured 2.00 inch Leak Rate (CFH): .01	☑ Pass	☐ Fail	☑ Initial Test
Positive Cracking Pressure ("w.c.): 3.36	☑ Pass	☐ Fail	☑ Initial Test
Measured –4.00 inch Leak Rate (CFH): .03	☑ Pass	☐ Fail	☑ Initial Test
Negative Cracking Pressure ("w.c.): -8.69	☑ Pass	☐ Fail	☑ Initial Test

Grade (Check One) ☐ **87** ☐ **89** ☐ **91** **Manifold** ☐
P/V Valve Manufacturer: _____ **Model Number:** _____

Measured 2.00 inch Leak Rate (CFH):	☐ Pass	☐ Fail	☐ Initial Test	☐ Retest
Positive Cracking Pressure ("w.c.):	☐ Pass	☐ Fail	☐ Initial Test	☐ Retest
Measured –4.00 inch Leak Rate (CFH):	☐ Pass	☐ Fail	☐ Initial Test	☐ Retest
Negative Cracking Pressure ("w.c.):	☐ Pass	☐ Fail	☐ Initial Test	☐ Retest

Grade (Check One) ☐ **87** ☐ **89** ☐ **91** **Manifold** ☐
P/V Valve Manufacturer: _____ **Model Number:** _____

Measured 2.00 inch Leak Rate (CFH):	☐ Pass	☐ Fail	☐ Initial Test	☐ Retest
Positive Cracking Pressure ("w.c.):	☐ Pass	☐ Fail	☐ Initial Test	☐ Retest
Measured –4.00 inch Leak Rate (CFH):	☐ Pass	☐ Fail	☐ Initial Test	☐ Retest
Negative Cracking Pressure ("w.c.):	☐ Pass	☐ Fail	☐ Initial Test	☐ Retest

Common conversion factors: 0.17 CFH = 80ml/min, 0.21 CFH = 100ml/min, 0.42 CFH= 200ml/min, 0.25=120ml/min

Flow Meter Calibration Date: 2016-06-28

Pressure Manometer Calibration Date: 2016-03-21

SAN DIEGO AIR POLLUTION CONTROL DISTRICT
COMPLIANCE DIVISION
10124 OLD GROVE ROAD
SAN DIEGO, CA 92131-1649
PHONE (858) 586-2650 FAX (858) 586-2651

APCD USE ONLY
SECTOR
ID#
NOV#

PRESSURE DECAY TEST

☐ 2" TP-201.3 ☑ 10" TP 96-1 ☐ Exhibit 4, EO-VR 401/2-XX

Facility Name:_____ **A/C or PO Number:**_____ **Time of Test:**_____
(Record exact time of test in order to demonstrate proper test sequencing as required in Attachment A or L)

Date/Time of Most Recent A/L or V/L Test as applicable:	N/A	Date/Time of Most Recent Delivery:	9-10-16 12:05 PM
Pressure Measuring Device Type:	DIGITAL MANOMETER	Device Calibration Date:	2016-06-28

Certain Executive Orders (EO) contain requirements (see below) which must be met when conducting a pressure decay test. These requirements must be followed in accordance with the applicable E.O. in order for the pressure decay test result to be valid.

EO VR - 201/202 (Ex. 8) 203/204 (Ex. 4) – CAS Processor **NA** ☑

Required Steps	Verification
1. All four CAS ball valves closed before test?	☐ Yes ☐ NO
2. All dispenser piping test valves open?	☐ Yes ☐ NO
3. All four CAS ball valves in normal operating positions after test?	☐ Yes ☐ NO

EO VR - 203/204 (Ex. 4) – Vapor Polisher **NA** ☑

Required Steps	Verification
1. Inlet ball valve (mechanical) open prior to test?	☐ Yes ☐ NO
2. Vapor Valve closed prior to test?	☐ Yes ☐ NO
2. Vapor valve in automatic mode after test?	☐ Yes ☐ NO
3. Inlet ball valve locked and open after test?	☐ Yes ☐ NO

EO VR - 203/204 (Ex. 4) – Membrane Processor/Green Machine **NA** ☑

Required Steps	Verification
1. All ball valves open prior to test?	☐ Yes ☐ NO
2. Processor turned off prior to test?	☐ Yes ☐ NO
3. All ball valves in open and locked position after test?	☐ Yes ☐ NO
4. Processor turned back on after test?	☐ Yes ☐ NO

EO VR - 208 (Ex. 4) –Thermal Oxidizer **NA** ☑

Required Steps	Verification
1. Inlet ball valve open prior to test?	☐ Yes ☐ NO
2. Power switch off before test?	☐ Yes ☐ NO
3. Inlet ball valve locked and open after test?	☐ Yes ☐ NO
4. Power switch on after test?	☐ Yes ☐ NO

EO VR - 401/402 (Ex. 4) **NA** ☑

Required Steps	Verification
1. Product level measured above the highest opening of the submerged drop tube	_____Inches

SAN DIEGO AIR POLLUTION CONTROL DISTRICT
COMPLIANCE DIVISION
10124 OLD GROVE ROAD
SAN DIEGO, CA 92131-1649
PHONE (858) 586-2650 FAX (858) 586-2651

APCD USE ONLY
SECTOR
ID#
NOV#

☐ **2" TP-201.3** ☑ **10" TP 96-1** ☐ **Exhibit 4, EO-VR 401/2-XX**

Facility Name:_____ **A/C or PO Number:**_____ **Time of Test:**_____

PRESSURE DECAY DATA

Tank Number:	**1**	**2**	**3**	**4**	**Total**
Product Grade:	AVGAS				
Tank Capacity, gallons:	12000				12000
Gasoline, gallons:	6700				6700
Ullage, gallons [1]:	5300				5300
Initial Pressure [2], wcg:	10.00"				
Pressure @ 2 minutes:	10.00"				
Pressure @ 4 minutes:	10.01"				
Pressure @ 6 minutes:	10.03"				
Pressure @ 8 minutes:	10.04"				
Final pressure[1] @ 10 minutes:	10.06"				
Allowable Final Pressure, wcg:	9.90"				
Pressure Decay Test Results:	☑ **P/☐ F**	☐ **P/☐ F**	☐ **P/☐ F**	☐ **P/☐ F**	☐ **P/☐ F**
Tank Tie Test:	☐ **P/☐ F**	☐ **P/☐ F**	☐ **P/☐ F**	☐ **P/☐ F**	☐ **P/☐ F**

1. Attach Veeder-Root print out showing ullage levels.
2. Pressure measurements shall be recorded to the nearest hundredth of an inch wc (.01" wc). Any rounding must be done after calculating the overall pressure decay rate(e.g. the actual differential shall not be more than 0.14" wc if the test procedure allows a differential of 0.1" wc.

Submit

California Regional Water Quality Control Board, San Diego Region

February 6, 2015

In reply refer to
T0607302335:smcclain

Ted Vallas
Air Resorts Airlines
2188 Palomar Airport Road
Carlsbad, CA 92008

Subject: Uniform Closure Letter for Air Resorts Airlines, 2188 Palomar Airport Road, Carlsbad, California

Mr. Vallas:

This letter confirms the completion of a site investigation and corrective action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of section 25296.10 of the Health and Safety Code.

Please be advised that:

1. Any land use changes for the site may require reevaluation to determine if the changes pose an unacceptable risk to public health;

2. Any contaminated soil encountered or excavated as part of future subsurface construction/utility work must be managed in accordance with all applicable legal and regulatory requirements; and

3. All future construction on the project area must install post construction best management practices to control storm water runoff in compliance with the US Environmental Protection Agency Guidance Document: "Technical Guidance on Implementing the Stormwater Runoff Requirements for Federal Projects under Section 438 of the Energy Independence and Security Act."

In the subject line of any response, please include the reference code **T0607302335:smcclain**. For questions or comments, please contact Mr. Sean McClain by phone at (619) 521-3374, or by email at smcclain@waterboards.ca.gov.

Respectfully,

DAVID W. GIBSON
Executive Officer

DWG:js:jc:clc:sm:lb

cc:

Ted Vallas, 5670 El Camino Real, Suite D, Carlsbad, CA 92008.

Christopher Crosby, SCS Engineers, CCrosby@scsengineers.com.

Willie Vasquez, Airport Staff, Willie.Vasquez@sdcounty.ca.gov.

Olivier Brackett, Airport Staff, Olivier.Brackett@sdcounty.ca.gov.

Ian Hodgson, Airport Staff, Ian.Hodgson@sdcounty.ca.gov.

Tech Staff Info & Use	
Primary Indexing No.	T0607302335

SCS ENGINEERS









Additional Site Assessment

Former Air Resorts Airlines
2188 Palomar Airport Road
Carlsbad, California, 92008

Presented to:

Mr. Sean McClain

California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, California 92123

Presented by:

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California
(858) 571-5500

May 5, 2011
File No. 11981630.06

Offices Nationwide
www.scsengineers.com

May 5, 2010
File No. 11981630.06

Mr. Sean McClain
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, California 92123

Subject: Additional Site Assessment

RWQCB #: TSMC:50-3567.05

Site: Former Air Resorts Airlines
2188 Palomar Airport Road
Carlsbad, California 92008

Dear Mr. McClain,

SCS Engineers (SCS) is pleased to present this report (Report) of the additional Site assessment and groundwater monitoring and sampling activities (Assessment) at the above-referenced Site (Figures 1 and 2). The Assessment was conducted in accordance with the guidelines set forth by the County of San Diego Department of Environmental Health (DEH), the *Workplan for Additional Site Assessment*, dated March 5, 2008, approved by the RWQCB on June 25, 2008, and in accordance with Exhibit 06 of the Contract between SCS and Theodore Vallas (Client), and Scope of Service Change 4, dated February 12, 2010.

Should you have any questions regarding this Report, please do not hesitate to call the undersigned at (858) 571-5500.

Sincerely,
SCS ENGINEERS

Tom Wright, PG 7972
Senior Project Professional

Daniel E. Johnson
Vice President

cc: Theodore Vallas
Dave Turosak (County of San Diego – Real Property Section)
UST Fund (via Geotracker)

Enclosures
TW
F:\Projects\98\1601 to 1650\98E1630 (Ted Vallas)\11981630.06 (2188 Palomar Airport Rd)\SSC5 - 6 Additional Wells (2009)\11981630.06.add.assess.final.docx

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1 INTRODUCTION

SCS Engineers (SCS) is pleased to present this Report for Assessment activities at the referenced Site (Figures 1 and 2). The Assessment was conducted to response in the Regional Water Quality Control Board (RWQCB) email request for a workplan for Assessment activities at the Site. This Report was prepared in accordance with Exhibit 06 of the Contract between SCS and Mr. Ted Vallas (Client), dated December 23, 2005, and the Scope of Services change number 4 (SSC4) modified on February 12, 2010.

Please note that the Workplan was approved by the RWQCB on September 5, 2009, and the Assessment was not completed until December 2010. The delay was due to construction activities that were related to the completion of a new airport terminal at Palomar-McClellan Airport (Airport) and that spanned from were January 2008 through March 2010.

2 BACKGROUND

The Site is located at 2188 Palomar Airport Road in a commercial land-use area in the City of Carlsbad (Figures 1 and 2). The Site is located on the grounds of the Airport and is depicted in Figures 1, 2, and 3. The Site is currently used as a short-term parking lot for fire response vehicles. Several commercial businesses such as airplane maintenance facilities, automobile rental facilities, and commercial office space are located adjacent to and in close proximity to the Site.

We understand that two approximately 10,000-gallon, steel underground storage tanks (USTs) were formerly present at the Site and were used to store Jet-A fuel (TPHj) and aviation gasoline (TPHa) (USTs 1 and 2, respectively).

SCS, formerly dba Environmental Business Solutions (EBS), prepared a workplan for a Post-Tank Removal Investigation which was submitted to the County of San Diego Department of Environmental Health (DEH) by Western Pump as part of a permit application for the removal of the UST system at the Site. We understand that the workplan was approved by Mr. Mike Vernetti of the DEH on October 31, 1997. We also understand that Mr. Vernetti approved, should it be judged necessary, the excavation of up to 75 cubic yards of petroleum hydrocarbon-bearing soil during assessment activities.

On November 12, 1997, the USTs and associated product lines, vent lines, and fuel dispensers (UST system) were removed from the Site by Western Pump. We understand that approximately 75 cubic yards of soil were removed from above and to the sides of the USTs during the UST removal activities and were placed in a stockpile at the Site.

It was reported that during removal of the USTs, Ms. Laurie Apecechea of the DEH was present at the Site on November 12, 1997, and directed the collection of two soil samples from beneath each UST. We also understand that because the fuel dispensers were located immediately above the USTs, no additional soil samples were collected under the product lines. As directed by Ms. Apecechea, the four soil samples were analyzed by a state-certified environmental laboratory provided by Transglobal Environmental Geochemistry, Inc. (TEG) for total petroleum

hydrocarbons as gasoline (TPHg) and as diesel (TPHd) in general accordance with modified EPA Method 8015 (California Department of Health Services [DOHS] modified).

On November 14, 1997, upon notification from Western Pump that TEG reported several soil samples collected during the UST removal activities to have concentrations of petroleum hydrocarbons above typical regulatory agency action levels, EBS personnel mobilized to the Site to conduct additional soil assessment activities in general accordance with the approved post-tank removal workplan. We understand that approximately 75 cubic yards of soil were removed during the excavation and were stockpiled at the Site.

Several soil samples collected from both UST areas were reported to contain detectable concentrations of TPHa and TPHj. The soil sample T1W2-16 was also analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and was reported to contain concentrations of all the BTEX constituents. Because of the limited reach of the excavating equipment and the limited volume of soil that was approved for excavation in the workplan, no further assessment was conducted.

We understand that after the completion of the soil excavation activities of November 14, 1997, the property manager directed the Client to backfill the excavation and compact the excavated soil. We understand the excavation was backfilled with the stockpiled soil generated during the November 12, 1997 and November 14, 1997 excavations, and the assessment area was repaved.

A workplan and workplan addendum for assessment activities were submitted to the DEH on November 17, 1998, and December 10, 1998, respectively. A workplan approval letter dated February 9, 1999 was provided by the DEH.

After receiving approval from the Client on June 8, 1999, EBS mobilized to the Site on July 7 and 8, 1999 to conduct subsurface assessment activities, including the installation of one groundwater monitoring well. EBS issued a report titled *Letter Report of the Subsurface Environmental Site Assessment Activities at 2188 Palomar Airport Road*, dated November 12, 1999, which detailed the findings of field work. The DEH responded to the report in a letter that stated, “based upon EBS’s report, it appears that additional investigation work related to the extent of soil and groundwater contamination is required in the vicinity of boring B2 to define the extent of contamination, and to determine if free phase product is present.” The DEH requested that EBS prepare a workplan describing the proposed additional assessment activities at the Site.

A workplan for assessment activities was submitted to the DEH by EBS on February 29, 2000. A workplan approval letter dated March 9, 2000, was issued by the DEH.

EBS received approval from the Client on August 20, 2000, and mobilized to the Site on March 19 and 20, 2001, to conduct subsurface assessment activities, including the installation of one groundwater monitoring well and the drilling of two soil borings. EBS issued a report titled *Report of Environmental Site Assessment Activities at Former Air Resorts Airlines, 2188 Palomar Airport Road,* dated November 20, 2001, detailing the findings of the field work. The DEH responded to the report in a letter dated May 21, 2002, which stated, “based on these findings, you are required to install additional monitoring wells to the west of B8 and to the

south/southwest of B7. Once these wells are installed, sample the wells for at least 3 more quarters. In addition, sample monitor well MW2 within this next month in order to verify that free product does not exist at the Site." Mr. Kent Huth of the DEH contacted EBS on October 9, 2002, verbally requesting the submittal of a workplan based on this letter.

On October 4, 2002, EBS examined wells MW1 and MW2 for the presence of free product. Free product was not detected in MW1. Approximately 0.01 foot of free product was detected in MW2 at a depth of 31.66 feet below the top of the casing.

A workplan for assessment activities was submitted to the DEH on November 5, 2002. A workplan approval letter dated January 16, 2003, was issued by the DEH, stating "Include in the subsequent site assessment report a Site Conceptual Model."

Based on the DEH monitoring well inspection on June 12, 2006, it was noted by DEH that "Monitoring wells (MW-1 and MW-2) could not be located and appear to have been asphalted over. Uncover the wells and bring them up to grade within 60 days from the date of this notice."

SCS mobilized to the Site in January and February 2007 to conduct additional subsurface assessment activities, including the installation of three groundwater monitoring wells. During this mobilization, SCS also attempted to correct the deficiencies in MW-1 and MW-2 that had been noted in the DEH's June 12, 2006 letter. SCS issued a report titled, *Site Assessment Activities, Former Air Resorts Airlines, 2188 Palomar Airport Road*, dated July 12, 2007, which detailed the findings of field work. Based on the data collected during the 2007 site assessment, SCS concluded the following with regard to shallow groundwater:

- "Petroleum hydrocarbons and related constituents have impacted the shallow groundwater at the Site. Based on the available information, petroleum hydrocarbon-bearing groundwater is interpreted to extend below the former UST location and extend southward to at least the extent of MW4."

- "Phase-separated hydrocarbons (PSH) (i.e., "free product") were not observed in any of the groundwater monitoring wells."

- "The principal source areas of petroleum hydrocarbons in soil and groundwater at the Site are the locations of the UST tank pit and gasoline dispenser islands (MW1). In general it appears that the petroleum hydrocarbons have migrated through the vadose zone, and upon reaching the capillary fringe and groundwater surface, have spread laterally in a hydraulically downgradient direction through the capillary fringe and groundwater. This hypothesis is corroborated by both soil and groundwater sampling results from this investigation."

- "Additional assessment off-site towards the south may be warranted to better delineate the extent of the petroleum hydrocarbon and benzene-bearing groundwater in the vicinity of the Site. However, we recommend review of data from several quarterly groundwater monitoring events prior to suggesting additional well locations, as it is possible the extent of the plume may be adequately inferred without additional assessment."

On March 3, 2007, SCS was informed in an email from James Clay of the DEH that regulatory oversight of the Site UST case had been moved from the DEH to the RWQCB. We understand that the regulatory oversight agency change was an attempt to consolidate the UST case and the Palomar Airport Landfill, which is located in the Site vicinity, under one regulatory agency.

On November 2, 2007, in an email correspondence, the RWQCB requested a workplan for additional Site assessment activities to further delineate groundwater contamination at the Site. Sean McClain of the RWQCB approved the workplan in a telephone conversation on September 5, 2009.

On November 8, 2007, under RWQCB approval, SCS mobilized to the Site to destroy monitoring wells MW1A and MW4 due to redevelopment activities at the Airport. Monitoring wells MW1A and MW4 were destroyed in accordance with California Department of Water Resources (DWR) well destruction standards and DEH guidelines.

Assessment work could not be conducted until the airport expansion was completed in May 2010. This Report describes in detail the scope of work conducted during the latest 2010 assessment, which entailed the installation of six monitoring wells and sampling of all groundwater wells at the Site.

SITE DESCRIPTION SUMMARY

Site Name:	Former Air Resorts Airline
Site Address:	2188 Palomar Airport Road Carlsbad, California 92008
Site Owner:	County of San Diego Airports
Responsible Party:	Mr. Theodore Vallas (former tenant)
RWQCB Case No:	TSMC:50-3567.05:kdorsey
Assessor's Parcel Number (APN):	213-020-18
Geotracker Global ID:	T0607302335

3 OBJECTIVES

The objectives of the scope of services described in this Report were to further assess:

- The presence and concentration of petroleum hydrocarbons in shallow groundwater at the Site.
- The depth to shallow groundwater and the hydraulic gradient at the Site.

4 SCOPE OF SERVICES

PREPARATION FOR FIELD WORK

Site Health and Safety Plan

A Site health and safety plan (Plan) was required for the work conducted at the Site by workers within the "exclusion zone" pursuant to the regulations in 29 Code of Federal Regulations (CFR) Part 1910.120 and Title 8 California Code of Regulations (CCR) Section 5192. The Plan was updated and outlined the potential chemical and physical hazards that might be encountered during the sampling activities. The appropriate personal protective equipment and emergency response procedures for the Site-specific chemical and physical hazards were detailed in this Plan. All field personnel involved with the field work were required to read and sign the plan in order to encourage proper health and safety practices.

Utility Search and Markout

Prior to drilling, SCS contacted Underground Service Alert (USA) and contracted with a private underground utility search company (Subsurface Alert [SSA]) to attempt to locate subsurface utilities and improvements at the Site to minimize the likelihood of drilling into an underground utility. USA issued ticket number A02520297 and notified AT&T, Cox Communication, San Diego Gas & Electric (SDG&E), SDG&E Fiber Optic, City of Carlsbad, Kinder Morgan, Level 3 Communications, and Vallecitos Water District.

Preparation of Monitoring Well Permit Applications

As required by the DEH, a permit application for six soil borings and the installation of six monitoring well was prepared and submitted to the DEH with the proper fee. The permit application was signed by an appropriately licensed professional. A copy of the approved soil boring permit (LMON107340) is included in the Appendix.

Project Management, Subcontractor Management, and Scheduling

Prior to mobilizing for field work, SCS notified the DEH and scheduled the subcontractors including the laboratories, the drilling companies, and the utility location company. This task also included the time to coordinate and manage subcontractors, such as the analytical laboratories (American Scientific Laboratories [ASL] and H&P Mobile Geochemistry [H&P]), and the drilling companies (Baja Exploration [Baja]), to secure the necessary specialized equipment, and to prepare for field mobilization.

5 FIELD ACTIVITIES

SITE SAFETY

The following procedures were used to conduct the drilling and sampling activities in a safe manner:

- Procedures stated in the Site health and safety plan were followed;
- Cones and barricades were placed around the work area to establish an exclusion zone; and
- Unauthorized personnel were not permitted to enter the exclusion zone.

DRILLING AND SAMPLING OF SIX SOIL BORINGS AND INSTALLATION OF SIX MONITORING WELLS

Drilling and Sampling

Soil borings MW1B, MW4A, MW5, MW6, MW7, and MW8 were drilled with a CME-75 hollow-stem auger drill rig, equipped with 8-inch augers and supplied by Baja. A California Professional Geologist was on-Site to observe the drilling activity and describe collected soil samples. Soil samples were described in accordance with the Unified Soil Classification System (USCS). The soil borings were advanced to depths between approximately 37 and 45 feet below ground surface (bgs). Groundwater was not encountered in any borings during drilling operations. Boring logs are presented in the Appendix.

During the drilling of all six soil borings, soil samples were collected at 5-foot depth intervals, at significant changes in lithology, and at the capillary fringe with a split-spoon sampler and driven into stainless steel tubes. The tubes were covered with Teflon® sheeting, tightly closed with end caps, labeled, and stored in an appropriate ice-packed cooler for submittal to an off-Site, state-accredited laboratory (ASL) for analysis. Chain-of-custody procedures were implemented for sample tracking.

As required by DEH Site Assessment and Mitigation (SAM) Manual guidelines, the augers were precleaned or pressure washed on-Site between soil borings to minimize the likelihood of cross-contaminating the borings and to minimize the potential for a false positive in the soil samples analyzed. The split-spoon soil sampler was cleaned between samples by using a three-bucket wash consisting of an Alconox-water wash, followed by two deionized water rinses.

Soil cuttings were placed in labeled 55-gallon drums and stored on Site for later disposal.

Sample Analyses

Fourteen soil samples were collected from the soil borings and were submitted to a state-accredited laboratory (ASL). All 14 soil samples were submitted to the laboratory and analyzed for TPHg, TPHd, and TPH as oil (TPHo) in accordance with EPA Method 8015(m). The highest

reported TPHg result from each boring was also analyzed for BTEX, and the fuel oxygenates methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), tertiary amyl methyl ether (TAME), ethyl tertiary butyl ether (ETBE), and tertiary butyl alcohol (TBA), and naphthalene in accordance with EPA Method 8260B. Please note that SCS requested soil sample analyses via TPHg and TPHd; however, ASL also reported TPHo for each sample.

Installation of Six Groundwater Monitoring Wells

Six groundwater monitoring wells (MW1B, MW4A, MW5, MW6, MW7 and MW8) were installed at the Site (Figures 3, 4, 5, 6, 7, 8, and 9) on September 20, 21, and 22, 2010 with total depths ranging from approximately 37 to 45 feet below grade. Wells MW4A, MW5, MW6, MW7 and MW8 were constructed with 2-inch diameter polyvinyl chloride (PVC) casings. MW1B was constructed with a 4-inch diameter PVC casing. All wells were constructed with the screened interval consisting of a 20-foot length of 0.010-inch slotted casing that extended approximately 10 feet above and 10 feet below the field-interpreted groundwater surface. A grade 2/12 sand pack was placed around and two feet above the screened interval. Well construction details are presented in Table 3 and in the Appendix.

The wells were constructed in accordance with DEH guidelines and State of California requirements. Each of the wells was surged to develop and settle the sand pack prior to placing the bentonite seal.

The wells were surged and developed on September 27 and 28, 2010, in accordance with DEH guidelines to remove fines from the well casing by pumping/bailing water until its clarity improved. Development water was placed in appropriate 55-gallon drums, which were labeled, and left on Site pending receipt of analytical results and evaluation of disposal options. After completion, the monitoring wells were surveyed by a licensed land surveyor (Project Design Consultants [PDC]) on October 12, 2010, for both vertical and horizontal control and to allow for an accurate estimate of groundwater elevation and gradient.

SAMPLING AND ANALYSIS OF GROUNDWATER MONITORING WELLS

Purging and Sampling of Groundwater Monitoring Wells

On October 4, 2010, groundwater monitoring wells MW1B, MW3, MW4A, and MW5 through MW8 were monitored and sampled in accordance with DEH guidelines. Depth-to-groundwater measurements were taken using an interface probe with a manufacturer's reported accuracy of 0.01 foot. PSH (i.e., "free product") was not observed in any of the Site monitoring wells.

Approximately one borehole volume of water was removed from each well using a downhole pump. In accordance with DEH sampling guidelines for slow-recharging wells, approximately one borehole volume of water was removed from MW1B, MW3, MW4A, and MW5 through MW8. Based on the recharge rates observed, MW1B, MW3, MW4A, and MW5 through MW8 are interpreted to be slow-recharging. Temperature, conductivity, and pH were monitored in each well during purging and sampling activities using a Horiba U-52. Details of well purging activities are presented in the Appendix.

A groundwater sample was collected from each slow-recharging well after two hours of recovery. Samples were collected with a single-use, disposable bailer and then decanted into appropriate laboratory-supplied containers. The samples were placed in an ice-packed cooler for transport under chain of custody to the laboratory for analysis. Purged groundwater was placed in appropriate 55-gallon drums, which were labeled and left on Site pending evaluation of disposal options.

Groundwater Sample Analysis

The groundwater samples were submitted to ASL for analysis of:

- TPHg and TPHd in accordance with EPA Method 8015(m).
- BTEX, MTBE, DIPE, ETBE, TAME, TBA, and naphthalene in accordance with EPA Method 8260B.

Disposal of Drummed Soil Cuttings, Rinsate Water, and Purged Groundwater

SCS submitted the necessary documentation to Soclaris Contracting (Soclaris) for the disposal of the soil drums. The drums have been transported to the Crosby and Overton Plant #1 in Long Beach, California, for treatment and reuse. A copy of the Non-Hazardous Waste Manifest is included in the Appendix.

6 FINDINGS

SITE TOPOGRAPHY

As reported by a topographic survey performed at the Site by PDC, the elevations of the Site range from approximately 318 to 320 feet above mean sea level. Topography generally slopes toward the south in the vicinity of the Site.

SITE GEOLOGY

As interpreted from a geologic map prepared by F. Harold Weber, Jr. (1982),[1] the Site is underlain by the Tertiary-aged Del Mar and Santiago Formations. According to Weber, the Del Mar and Santiago Formations generally consist of mostly nonmarine, undifferentiated deposits (sandstones, clayey sandstones, siltstones), pale gray to white quartz-feldspar sandstone, and siltstones and brownish to grayish claystones.

Also, based on a review of a report titled, *Palomar Airport Landfill, Carlsbad, California, Solid Waste Water Quality Assessment Test, Final SWAT Report*, dated April 9, 1993, prepared by

1 Recent Slope Failures, Ancient Landslides, and Related Geology of the North-Central Coastal Area, San Diego County, California.

Metcalf & Eddy, Inc. and Geotechnical Consultants (SWAT report), the Site is underlain by the Tertiary Santiago Formation. The SWAT report described the Santiago Formation in this area as consisting of "fine to coarse-grained sandstone with minor amounts of interbedded claystone and siltstone in the near surface, with claystone becoming more prevalent at depth." Please note that in the SWAT report, the geologic formation encountered at the Site is referred to as the Santiago Formation; however, it is also referred to as the Del Mar Formation by Weber.

The following description of materials encountered is an interpretation of Site conditions based on soil samples collected during previous and current investigations at the Site. Soil boring lithologic logs are included in the Appendix and Figures 11 and 12 show generalized geologic cross sections. Based on our observations and the above-referenced map and report, it is interpreted that the Tertiary Santiago Formation and surficial fill soils were encountered below the Site.

Fill Soil

Fill soil was encountered at the Site and generally consisted of brown, medium- to coarse-grained sand with some silt and clay. The fill soil extended to a maximum depth of approximately 20 feet bgs in the vicinity of the UST excavation (MW1B). Outside of the UST excavation, fill soil was interpreted to extend to a maximum depth of approximately 5.5 feet bgs.

Santiago Formation

Sand and clay of the Santiago Formation were encountered throughout the Site between 3 and 5.5 feet below grade to the maximum depth encountered during drilling on September 20-22, 2010 (50 feet below grade). This unit generally consisted of very dense, moist to saturated, yellowish and orangish gray, fine- to very fine-grained sand and clay, with varying amounts of silt.

HYDROGEOLOGY

The Site is interpreted to be located in the Encinas hydrologic area of the Carlsbad hydrologic unit. Groundwater within this hydrologic area has no existing or potential beneficial uses and has been exempted from municipal use designation by the Regional Board under the terms and conditions of State Board Resolution No. 88-63, *Sources of Drinking Water Policy*.

During on-Site drilling activities, groundwater or moist to saturated soil was not observed in any of the boring locations due to the relatively low permeability of the fine-grained sand and clay.

During the October 2010 sampling event, groundwater was encountered between 23 and 30 feet bgs after allowing the groundwater to equilibrate in the monitoring wells for several days after installation and development. Groundwater elevations were calculated based on the surveyed top of casing elevations and the measured depth to groundwater in the wells (Table 3). Approximate contours of the shallow groundwater surface elevations were then plotted and a groundwater gradient was estimated. As shown on the groundwater elevation map (Figure 6), the groundwater was interpreted to incline in a generally southeast direction at a gradient of approximately 0.02 during the October 2010 gauging event.

Based on EBS[2] and SCS[3] previous investigations at the Site, and monitoring well sampling events conducted at the closed Palomar Landfill in the Site vicinity, groundwater levels in the vicinity area are at a relative high when compared to the historical levels. Monitoring well MW3 has the highest recorded groundwater elevation at the Site since groundwater monitoring began.

Currently, available data indicate that unconfined groundwater conditions occur at the Site. A review of the lithologic logs did not indicate the obvious presence of perched water or confining zones or layers at the Site, although this possibility cannot be precluded.

LABORATORY ANALYTICAL RESULTS

Soil Samples

Analytical data for soil samples collected during current and previous Site investigations are presented in Tables 1 and 2; and in Figures 4 and 5.

Total Petroleum Hydrocarbons

Six of 14 soil samples analyzed were reported to contain detectable concentrations[4] of TPHg above the laboratory reporting limits. Soil samples were reported to have TPHg concentrations ranging from 0.83 (MW1B-40) to 12,600 milligrams per kilogram (mg/kg) (MW1B-30).

Four of 14 soil samples analyzed were reported to contain detectable concentrations of TPHd above the laboratory reporting limits. Soil samples were reported to have TPHd concentrations ranging from 54.6 (MW1B-5) to 4,720 mg/kg (MW1B-15).

No detectable concentrations of TPHo were reported above the laboratory reporting limit in any of the soil samples analyzed during the current Assessment.

2 *Site Assessment Activities,* 2188 Palomar Airport Road, Carlsbad, California, EBS, November 21, 2001.

3 *Quarterly Groundwater Monitoring (October 2007) And Well Destruction Report,* 2188 Palomar Airport Road, Carlsbad, California, SCS, February 1, 2008.

4 For the purposes of this Report, "none detected" or ND refers to concentrations that are below the laboratory reporting limits for the specified analyte.

BTEX

Soil samples MW6-25 and MW1B-30 were reported to contain benzene concentrations of 5.5 and 22,100 micrograms per kilogram (µg/kg), respectively.

Soil samples MW6-25, MW5-25, and MW1B-30 were reported to contain toluene at concentrations of 9.5, 19.1 and 780,000 µg/kg, respectively.

Soil sample MW1B-30 was reported to contain ethylbenzene at a concentration of 31,600 µg/kg.

Soil sample MW1B-30 was reported to contain total xylenes at a concentration of 164,500 µg/kg.

MTBE and Fuel Oxygenates

TBA was reported at a concentration of 71.0 µg/kg in the sample collected from MW6-25. No detectable concentrations of MTBE or other fuel oxygenates were reported above the laboratory reporting limit in any of the soil samples analyzed during the current Assessment.

Naphthalene

No detectable concentrations of napthalene were reported above the laboratory reporting limit in any of the soil samples analyzed during the current Assessment.

Groundwater Samples

Analytical data for groundwater samples collected during current and previous Site investigations are presented in Table 4 and Figures 7, 8, and 9.

Total Petroleum Hydrocarbons

Two of seven wells sampled were reported to contain detectable concentrations of TPHg above the laboratory reporting limits. Groundwater samples collected from MW1B and MW6 were reported to have TPHg concentrations ranging from 33,000 (MW6) to 120,000 micrograms per liter [µg/L] (MW1B).

No detectable concentrations of TPHd were reported above the laboratory reporting limit in any of the groundwater samples analyzed during the current Assessment.

BTEX

Benzene was reported in all seven groundwater samples collected at concentrations ranging from 0.6 (MW8) to 6,400 µg/L (MW1B) in the groundwater samples collected from MW1B, MW3, MW4A, and MW5 through MW8.

Toluene was reported in all seven groundwater samples collected at concentrations ranging from 5.9 (MW7) to 38,000 µg/L (MW1B) in the groundwater samples collected from MW1B, MW3, MW4A, and MW5 through MW8.

Ethylbenzene was reported in six of seven groundwater samples collected at concentrations ranging from 0.6 (MW4A) to 1,500 µg/L (MW1B) in the groundwater samples collected from MW1B, MW3, MW4A, and MW5 through MW7.

Total xylenes was reported in all seven groundwater samples collected at concentrations ranging from 2.0 (MW8) to 9,800 µg/L (MW1B) in the groundwater samples collected from MW1B, MW3, MW4A, MW5 through MW8.

MTBE, DIPE, TAME, ETBE, AND TBA

MTBE was reported at detectable concentrations in 4 of the 7 wells sampled. Reported MTBE concentrations ranged from 1.8 (MW4A) to 59 µg/L (MW1B) (Figures 7 and 8).

DIPE, TAME, ETBE, and TBA were reported to not be present above the laboratory reporting limit in the groundwater samples collected from MW1B, MW3, MW4A, and MW5 through MW8.

Naphthalene

Naphthalene was reported in four of seven groundwater samples collected at concentrations ranging from 1.3 (MW7) to 250 µg/L (MW1B) in the groundwater samples collected from MW1B, MW3, MW6, and MW7.

DELINEATION OF PETROLEUM HYDROCARBON-BEARING SOIL

Two USTs are interpreted to have contributed to petroleum hydrocarbon impacts to soil at the Site, based upon the lab data from the analysis of soil and groundwater samples. The primary source of petroleum hydrocarbons impacts to groundwater is the former USTs. The secondary source of petroleum hydrocarbons is interpreted to be the impacted soil that was placed back in the UST excavation after the removal of the USTs.

Interpreted Vertical Extent of Petroleum Hydrocarbon-Bearing Soil in the Vicinity of the Former USTs

Based on the analytical results for soil samples from borings MW1A, MW1B, B2, B7, and B5 we judge that the vertical extent of petroleum hydrocarbon-bearing soil in the vicinity of the former UST has been assessed (Figures 4, 10, and 11). The principal source area of petroleum hydrocarbons in soil and groundwater at the Site is at the location of the former UST tank pit (MW1A, MW1B, B2, and B5). Petroleum hydrocarbon-bearing soil is interpreted to extend between approximately 5 feet and 40 feet below grade directly beneath and to the south of the former UST tank pit and.

While low (<100 mg/kg) concentrations of TPHd were identified in boring B5/MW1 to depths of 75 feet below grade, the majority of petroleum hydrocarbon-bearing soil is confined to within 35 to 40 feet bgs. In general, the petroleum hydrocarbons appear to have migrated vertically downward through the vadose zone, and upon reaching the capillary fringe and groundwater surface, have spread laterally in the direction of the estimated hydraulic downgradient direction

through the capillary fringe and groundwater. This hypothesis is corroborated by both soil and groundwater sampling results from this investigation.

Interpreted Horizontal Extent of Petroleum Hydrocarbon-Bearing Soil in the Vicinity of the Former UST

Based on the analytical results for soil samples B1, B3, B4, B6, B8, MW3, and MW4, we judge that the horizontal extent of petroleum hydrocarbon-bearing soil in the vicinity of the former UST has been assessed (Figure 4). Based on the analytical results for soil samples collected at the Site during previous Site assessments, SCS judges that the horizontal extent of petroleum hydrocarbon-bearing soil in the vicinity of the former UST has been adequately assessed during previous assessments at the Site. As mentioned above, the principal source area of petroleum hydrocarbons in soil and groundwater at the Site is the location of the former gasoline UST tank pit. Based on reported laboratory results, the approximate horizontal extents of petroleum hydrocarbon-bearing soil is depicted on Figure 4.

Interpreted Volume of Petroleum Hydrocarbon-Bearing Soil

The volume of petroleum hydrocarbon-bearing soil in the vicinity of the former UST was estimated by adding the estimated volume of soil contained by the soil borings B1, B2, B3, B6, B4, B8, MW3, and MW4, with the volume of the petroleum hydrocarbon-bearing soil beneath the former UST location reported to contain detectable concentrations of petroleum hydrocarbons in the vertical plane extending to 40 feet bgs. Additionally the area between 20 and 35 feet bgs extending south from the UST tank pit to approximately 45 feet south of boring B7 was included in the volume estimation. The area south of the UST tank pit between 20 and 35 feet bgs is located directly above the groundwater surface and, in our opinion, represents the capillary fringe or smear zone.

Volume of petroleum hydrocarbon-bearing soil in the vicinity of the former UST =	estimated volume of petroleum hydrocarbon-bearing soil in the vicinity of UST 1 and UST 2 (40 feet in depth x 550 square feet in the vicinity UST tank pit). = 22,000 cubic feet ≈ 815 cubic yards
Volume of petroleum hydrocarbon-bearing soil in the capillary zone or smear zone =	[(From depth of 20 feet to 40 feet) x (2,530 square feet)] = 50,600 cubic feet ≈ 1,874 cubic yards
Total estimated volume of petroleum hydrocarbon-bearing soil	= (815 cubic yards + 1,874 cubic yards) - 100 cubic yards (previously removed) ≈ 2,689 cubic yards

Residual Saturation and Non Aqueous Phase Liquids

Specific retention is defined as the maximum percentage by volume of liquids retained after gravity drainage. Above this maximum percentage, or above "residual saturation," non-aqueous phase liquids (NAPLs) are mobile. At concentrations less than the residual saturation, NAPLs are captured within the soil structure due to surface tension characteristics and capillary forces. SCS believes this concept is relevant to contaminant fate and transport in the vadose zone at the Site.

A comparison of the soil characteristics and reported concentrations of petroleum hydrocarbons reported to be present in soil samples collected from the Site, to those presented in the DEH SAM Manual (2004) with respect to residual saturation, indicate that there is a high likelihood that concentrations are above the residual saturation in the UST excavation.

The following table depicts a comparison of residual saturation to the highest reported concentrations of petroleum hydrocarbons reported to be present in each soil boring location at the Site (B1-B8, MW1 through MW8, MW1A, MW1B, and MW4A).

Comparison of Residual Saturation to the Highest Reported Concentrations of Petroleum Hydrocarbons

Formation	Sample ID	Generalized Soil Type	Site Soil Sample Concentrations	
			Gasoline (mg/kg)	Diesel #2 (mg/kg)
DEH Reference Residual Saturation Values		**Silty Sand**	**5,600**	**10,000**
		Fine Sand	**2,900**	**5,400**
		Clay	**44,000**	**82,000**
Santiago Formation	B1-10	Sand	179	933
	B2-40	Fine Sand	**9,938**	<10
	B3-40	Fine Sand	<10	<10
	B4-40	Fine Sand	<10	<10
	B5-10	Fine Sand	369	3,456
	B6-40	Fine Sand	<10	<10
	B7-30	Clayey Sand	**12,000**	<10
	B8-25	Fine Sand	1,100	<10
	MW1A-30	Fine Sand	**4,600**	92
	MW1B-30	Fine Sand	**12,600**	311
	MW2-35	Fine Sand	**4,200**	<10
	MW3-30	Fine Sand	<10	<100
	MW4-30	Clayey Sand	<10	<10
	MW4A-30	Fine Sand	<0.5	<10
	MW5-25	Fine Sand	<0.5	<10
	MW6-25	Fine Sand	<0.5	<10
	MW7-30	Fine Sand	<0.5	<10
	MW8-30	Clayey Sand	<0.5	<10

Notes:
Bold values are estimated to be above the residual saturation of the corresponding soil type.
mg/kg = milligrams per kilogram.

Concentrations of gasoline range petroleum hydrocarbons were reported above reference residual saturation concentration in several soil samples collected at the Site. The soil samples were generally collected south of the former UST locations and are interpreted to be present at the top

of the saturated zone. PSH was previously observed in monitoring well MW2 (0.01 ft) in November 2002 but has not been measured or observed in monitoring wells since that time.

During the current and previous assessments at the Site, the groundwater monitoring wells at the Site have been observed to be slow recharging. In general, the relatively low intrinsic permeability of fine grained soils observed may have produce very low mobility potential of fluids in the subsurface. The predominantly fine-grained composition of the saturated zone should have a strong influence on the mobility of water and LNAPL. Therefore, it is likely that even though soils south of the UST excavation may be above theoretical residual saturation, the potential for any significant PSH movement is low based on lithologic control. This hypothesis is supported by soil sample analytical data which demonstrates that the soil impacts are generally confined to within approximately 60 to 70 feet of the former UST excavation.

EXPOSURE CONCERNS

Based on our current understanding, there are only two potentially complete exposure pathways associated with petroleum hydrocarbons in soil: inhalation due to vapor migration and migration to groundwater. Because the area of petroleum hydrocarbon-bearing soil in the vicinity of the former USTs is covered by concrete paving, we judge that there are no complete pathways for direct dermal contact with, or ingestion of, petroleum hydrocarbon-bearing soil.

An assessment of the possible exposure concerns due to inhalation of vapors and migration to groundwater is as follows:

- Inhalation of Vapors

  As previously stated, both gasoline- and diesel- range petroleum hydrocarbons were reported at the Site. Although soil vapor sampling and a formal human health risk assessment were not performed, the available data suggest that the majority of petroleum hydrocarbon-bearing soil is located in a concrete-paved area used for vehicle parking with the exception of portions of the Jetsource hangar (no vapor barrier) located south of MW3 and the baggage handling building (vapor barrier) to the east of MW6 (Figure 4).

  It is possible that benzene-bearing groundwater has migrated beneath the adjacent buildings. However, due to the proximity to the closed Palomar Airport Landfill, the newly constructed baggage handling buildings at the Site are constructed with a methane barrier installed below the concrete slab. Enclosed buildings in close proximity to areas of residual petroleum hydrocarbon-bearing soil or groundwater (e.g. Jet Source hanger) should be assessed for the likelihood that an unacceptable human health risk[5] exists due to possible vapor intrusion.

5 This assumes that the soil will not be disturbed or removed, which may require special health and safety precautions. A qualified health and safety professional should be contacted prior to excavation into or contact with petroleum hydrocarbon-bearing soil.

Delineation of Petroleum Hydrocarbon-Impacted Groundwater

Based on the analytical results of the groundwater samples collected from MW1A, MW1B, MW3, MW4A, and MW5 through MW8, shallow groundwater at the Site is interpreted to be impacted from the petroleum hydrocarbon-bearing soil in the vicinity of the former USTs at the Site. No PSHs were observed in any of the wells during the October 2010 sampling event. The petroleum hydrocarbon-bearing groundwater appears to extend downgradient from the former location of the USTs and has been adequately assessed by the existing wells.

Based on the data obtained during the groundwater sampling and analysis of the Site wells, the extent of dissolved TPHg, TPHd, and BTEX has been adequately delineated. However, the reported concentrations of TPHg and TPHd are above residual saturation in selected soil samples. Measurements in MW2 (November 2002) indicate that PSH may at one time have been located in the vicinity of USTs. Figure 10 depicts the interpreted iso-concentration contours of benzene at the Site. Based on these interpreted contours, the extent of benzene in the shallow groundwater can be inferred and has been adequately delineated to the south at the Site.

The Site is located in a non-beneficial use groundwater basin that has no existing or potential beneficial uses and, has been exempted from municipal use designation. Because PSHs were not identified in any of the wells during the gauging or sampling, based on the available data, applicable water quality objectives have not been exceeded. We recommend two groundwater monitoring events and sampling events to assess:

- Whether PSH is present in on-Site wells.
- Assess whether the plume is stable.

If PSH is not detected and the plume appears to be stable after two monitoring events, the Site will likely be recommended for closure.

7 DISCUSSION

This discussion is based on a broad overview of the analytical data, particularly comparing the current analytical data with data obtained during previous groundwater sampling events.

Only one well (MW3) is remaining from the previous monitoring well network and was reported to contain groundwater concentrations of BTEX.

Figure 10 depicts the interpreted iso-concentration contours of benzene at the Site. Based on these interpreted contours, the extent of benzene in the shallow groundwater can be inferred and has been adequately delineated at the Site.

Previous monitoring events have suggested groundwater flow to be in a general southerly direction. During the October 2007 groundwater monitoring event, the groundwater gradient was interpreted to be in the southwest direction. However, during the October 2010 groundwater monitoring event, the interpreted gradient is in a southerly direction.

HYDROGRAPH

A time series plot of benzene and MTBE concentrations and groundwater elevation versus time in MW3 is presented in the Appendix. Additionally, a linear regression trendline of the benzene concentrations is depicted on the time-series plot as appropriate with the calculated R-squared value. The R-squared trendline value for benzene concentrations during the 4Q2010 was 0.02. The data set for MW3 has the minimum required data points (4 points) to be statistically significant and to plot a hydrograph. The calculated R-squared values indicate how well the dataset is described by a linear fit and in general describes the *goodness-of-fit.* R-squared values between 0.7 and 1.0 are significant, between 0.3 and 0.7 are moderately significant, and between 0.0 and 0.3 are weakly significant.

COMPLIANCE WITH REGULATORY REQUIREMENTS

In California, the Porter-Cologne Water Quality Control Act (Act) (Water Code Section 13000 et. seq) establishes the regulatory framework for water pollution control. The Act establishes that the waters of the state are governed by the State Water Resources Control Board (SWRCB), and the nine RWQCBs. The federal Clean Water Act and Porter-Cologne require that the RWQCBs adopt a water quality control plan (Basin Plan) to guide and coordinate the management of water quality including surface and groundwater in each region. The purpose of the Basin Plan is to: 1) designate beneficial uses of the region's surface and groundwater; 2) designate the water quality objectives for the reasonable protection of those uses; and 3) establish an implementation plan to achieve the objectives. For Region 9 (San Diego), this plan is known as the "Comprehensive Water Quality Control Plan for the San Diego Basin" (Basin Plan).

The Basin Plan, states "The Regional Board has deleted beneficial use designations in portions of certain hydrologic ground water units, areas, or subareas. Available information indicated that the beneficial uses in portions of these hydrologic ground water basins did not occur and were not likely to occur in the future" (Chapter 2, page 10).

According to the Basin Plan, the Site is located in the Encinas hydrologic area of the Carlsbad hydrologic unit (904.40). This can be verified by viewing the Basin Plan Area Map. The Basin Plan identifies the basin as having no existing or potential beneficial uses and as being exempt from municipal uses (Chapter 2, page 53). Therefore, the maximum contaminant levels (MCLs) for drinking water or other common water quality objectives are not judged to be applicable to the groundwater at the Site. Consequently, water quality based groundwater cleanup standards, in our opinion, do not apply because there are no beneficial uses to protect.

Furthermore, the designation of a groundwater basin as not having existing or potential beneficial uses also means that the groundwater within this hydrologic area is not suitable as a source of drinking water, as required by the "Sources of Drinking Water" policy.

In our view, because no beneficial uses for the groundwater in this portion of the basin effected by the discharge of waste have been identified, the discharge of petroleum hydrocarbon (waste) to the groundwater in this portion of the basin does not constitute a condition of "pollution" as defined by the California Water Code. It is the condition of "pollution" defined in Section 13304

of the California State Water Code that authorizes the Regional Board to order any entity that causes or permits the waste discharge to cleanup or abate the effects of the waste.

Because the Site is located in a Hydrologic Area without any potential beneficial uses, water quality objectives such as MCLs are judged not to be applicable and the waters are judged highly unlikely to be considered "high quality" according to State Board Resolution 68-16. Therefore, several additional threshold criteria must be met before a determination of "no further action" is made. The following lists each condition, along with an assessment of the likelihood that the condition exists at the Site.

- The California Code of Regulations, Title 23, Division 3, Chapter 16, Section 2655 mandates that free-phase product be removed to the extent practicable.

  PSH was not identified in any of the wells during the gauging or sampling at the Site.

- A potential human health risk occurs at the Site as a result of the release of constituents of concern (CoCs) to the ground water.

  As referenced previously, the available data indicates that the petroleum hydrocarbon-bearing soil is located below a concrete pad and may be partial beneath the baggage handling building which has a methane barrier. Dissolved concentrations of petroleum hydrocarbons may be located beneath the Jetsource airplane hangar located west and cross-gradient of the Site. There are no occupied structures downgradient of the impacted area. If vapors migrate to the surface, they would be diluted by the ambient air. There is a low likelihood of risk with the exception of the Jetsource Hanger building.

- The CoCs present in the groundwater could migrate and be discharged to surface waters.

  There is a very low likelihood of migration to the nearest surface water (Las Encinas Creek located more than 3,500 feet away) due to the Site's distance from the surface water. The RWQCB has a written policy of not being concerned with this issue unless the San Diego Bay is within 1,500 feet of the release.

CONCLUSIONS

Based on the data obtained and reviewed as part of this investigation, laboratory results, and current regulatory guidelines, it is SCS's professional opinion that:

- Soils beneath the Site, as interpreted from soil descriptions made during drilling, were observed to be fill material from grade to between 5.5 feet and 20 feet below grade. The fill soil generally consisted of brown, medium- to coarse-grained sand with some silt and clay. Beneath the fill material, sand and clay of the Santiago Formation were encountered throughout the Site at between 3 and 5.5 feet below grade to the maximum depth encountered (50 feet below grade). This unit generally consisted of very dense, moist to saturated, yellowish and orangish-gray, fine- to very fine-grained sand and clay, with varying amounts of silt.

- The vertical and horizontal extents of petroleum hydrocarbon-bearing soil in the vicinity of the former underground storage tanks (USTs) at the Site have been assessed.

- Concentrations of gasoline range petroleum hydrocarbons were reported above reference residual saturation concentration in several soil samples collected at the Site. The soil samples were generally collected south of the former UST locations and are interpreted to be present at the top of the saturated zone. PSH was previously observed in monitoring well MW2 (0.01 ft) in November 2002 but has not been measured or observed in monitoring wells since that time.

- During the current and previous assessments at the Site, the groundwater monitoring wells at the Site have been observed to be slow recharging. In general, the relatively low intrinsic permeability of fine grained soils observed may have produce very low mobility potential of fluids in the subsurface. The predominantly fine-grained composition of the saturated zone should have a strong influence on the mobility of water and LNAPL. Therefore, it is likely that even though soils south of the UST excavation may be above theoretical residual saturation, the potential for any significant PSH movement is low based on lithologic control. This hypothesis is supported by soil sample analytical data which demonstrates that the soil impacts are generally confined to within approximately 60 to 70 feet of the former UST excavation.

- Phase-separated hydrocarbons (PSH) (i.e., "free product") were not observed in any of the Site monitoring wells during the current sampling event.

- During the October 2010 sampling event, groundwater was encountered between 23 and 30 feet bgs after allowing the groundwater to equilibrate in the monitoring wells for several days after installation and development. Groundwater elevations were calculated based on the surveyed top of casing elevations and the measured depth to groundwater in the wells (Table 3). Approximate contours of the shallow groundwater surface elevations were then plotted and a groundwater gradient was estimated. As shown on the groundwater elevation map (Figure 6), the groundwater was interpreted to incline in a

generally southeast direction at a gradient of approximately 0.02 during the October 2010 gauging event.

- Based on the data obtained during the groundwater sampling and analysis of the Site wells, the extent of dissolved TPHg, TPHd, and BTEX in groundwater has been adequately delineated.

8 RECOMMENDATIONS

Based on the data obtained during this groundwater monitoring event, SCS recommends:

- The Site monitoring well network should be monitored and sampled for two semi-annual more groundwater event s to assess plume stability and for the presence of phase-separated hydrocarbons (PSH).

- If PSH is not detected in on-Site wells during the two monitoring events, the Regional Water Quality Control Board should consider not requiring any further action to assess or mitigate the petroleum hydrocarbon-bearing soil and groundwater in the vicinity of the USTs at the Site.

  An assessment of the enclosed buildings in close proximity to areas of residual petroleum hydrocarbon-bearing soil or groundwater (e.g. Jet Source hanger) should be conducted for the likelihood that an unacceptable human health risk exists due to possible vapor intrusion.

9 REPORT USAGE AND FUTURE SITE CONDITIONS

This Report is intended for the sole usage of the Client and parties designated by SCS. Use of this Report is subject to the provisions of the fully executed Contract between the Client and SCS. Any third party usage of this Report shall be subject to the provisions of the Contract and any unauthorized misuse of or reliance upon the Report shall be without risk or liability to SCS.

The conclusions of this Report are judged to be relevant at the time the work described in this Report was conducted. Future conditions may differ and this Report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of Phase II environmental assessments in San Diego County is consulted to assess the necessity of updating this Report.

Although this Assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons that include, but are not limited to: 1) inadequate or inaccurate information rightfully provided to SCS by third parties, such as public agencies and other outside sources; 2) the limited scope of this Assessment; and 3) the presence of undetected, unknown, or unreported environmental releases.

10 LIKELIHOOD STATEMENTS

Statements of “likelihood” have been made in this report. Likelihood statements are based on professional judgments of SCS. The term “likelihood,” as used herein, pertains to the probability of a match between the prediction for an event and its actual occurrence. The likelihood statement assigns a measure for a “degree of belief” for the match between the prediction for the event and the actual occurrence of the event.

The likelihood statements in this Report are made qualitatively (expressed in words). The qualitative terms can be approximately related to quantitative percentages. The term “low likelihood” is used by SCS to approximate a percentage range of 10 to 20 percent; the term “moderate likelihood” refers to an approximate percentage range of 40 to 60 percent; and the term “high likelihood” refers to an approximate percentage range of 80 to 90 percent.

TABLES

Table 1
(Page 1 of 5)
Soil Sample Analytical Results of Total Petroleum Hydrocarbons
Former Air Resorts Airlines
2188 Palomar Airport Road, Carlsbad, California

Sample Number	Date Sampled	Soil Boring	Depth (Feet below grade)	TPHg (mg/kg)	TPHd (mg/kg)	TPHo (mg/kg)
B1-5	1/7/1999	B1	5	**91**	**946**	NA
B1-10			10	**179**	**933**	NA
B1-15			15	**26**	**62**	NA
B1-20			20	< 10	< 10	NA
B1-25			25	< 10	< 10	NA
B1-30			30	< 10	< 10	NA
B1-35			35	< 10	< 10	NA
B1-40			40	< 10	< 10	NA
B1-45			45	< 10	< 10	NA
B1-50			50	< 10	< 10	NA
B2-5	1/7/1999	B2	5	< 10	< 10	NA
B2-10			10	< 10	< 10	NA
B2-15			15	< 10	< 10	NA
B2-20			20	**29**	< 10	NA
B2-25			25	**4,629**	< 10	NA
B2-30			30	**1,325**	< 10	NA
B2-35			35	**2,129**	< 10	NA
B2-40			40	**9,938**	< 10	NA
B2-45			45	< 10	< 10	NA
B2-50			50	< 10	< 10	NA
B2-55			55	< 10	< 10	NA
B3-5	1/7/1999	B3	5	< 10	< 10	NA
B3-10			10	< 10	< 10	NA
B3-15			15	< 10	< 10	NA
B3-20			20	< 10	< 10	NA
B3-25			25	< 10	< 10	NA
B3-30			30	< 10	< 10	NA
B3-35			35	< 10	< 10	NA
B3-40			40	< 10	< 10	NA
B3-45			45	< 10	< 10	NA
B3-50			50	< 10	< 10	NA

Table 1
(Page 2 of 5)
Soil Sample Analytical Results of Total Petroleum Hydrocarbons
Former Air Resorts Airlines
2188 Palomar Airport Road, Carlsbad, California

Sample Number	Date Sampled	Soil Boring	Depth (Feet below grade)	TPHg (mg/kg)	TPHd (mg/kg)	TPHo (mg/kg)
B4-5	1/7/1999	B4	5	< 10	< 10	NA
B4-10			10	< 10	< 10	NA
B4-15			15	< 10	< 10	NA
B4-20			20	< 10	< 10	NA
B4-25			25	< 10	< 10	NA
B4-30			30	< 10	< 10	NA
B4-35			35	< 10	< 10	NA
B4-40			40	< 10	< 10	NA
B4-45			45	< 10	< 10	NA
B4-50			50	< 10	< 10	NA
B5-5	1/7/1999	B5	5	**18**	**306**	NA
B5-10			10	**369**	**3,456**	NA
B5-15			15	**14**	**209**	NA
B5-20			20	**207**	**915**	NA
B5-25			25	**12**	< 10	NA
B5-30			30	**99**	**64**	NA
B5-35			35	< 10	< 10	NA
B5-40			40	< 10	**88**	NA
B5-45			45	< 10	< 10	NA
B5-50			50	< 10	< 10	NA
B5-55			55	< 10	< 10	NA
B5-60			60	< 10	**72**	NA
B5-65			65	< 10	**27**	NA
B5-70			70	< 10	**75**	NA
B5-75			75	< 10	**68**	NA
B5-80			80	< 10	< 10	NA
B5-85			85	< 10	< 10	NA
B6-5	1/7/1999	B6	5	< 10	< 10	NA
B6-10			10	< 10	< 10	NA
B6-15			15	< 10	< 10	NA
B6-20			20	< 10	< 10	NA
B6-25			25	< 10	< 10	NA
B6-30			30	< 10	< 10	NA
B6-35			35	< 10	< 10	NA
B6-40			40	< 10	< 10	NA
B6-45			45	< 10	< 10	NA
B6-50			50	< 10	< 10	NA

Table 1
(Page 3 of 5)
Soil Sample Analytical Results of Total Petroleum Hydrocarbons
Former Air Resorts Airlines
2188 Palomar Airport Road, Carlsbad, California

Sample Number	Date Sampled	Soil Boring	Depth (Feet below grade)	TPHg (mg/kg)	TPHd (mg/kg)	TPHo (mg/kg)
B7-5	03/19/00	B7	5	< 10	< 10	NA
B7-10			10	< 10	< 10	NA
B7-15			15	< 10	< 10	NA
B7-20			20	< 10	< 10	NA
B7-25			25	<10	< 10	NA
B7-30			30	**12,000**	< 10	NA
B7-35			35	< 10	< 10	NA
B7-40			40	< 10	< 10	NA
B7-45			45	< 10	< 10	NA
B8-5	3/19/2000	B8	5	< 10	< 10	NA
B8-10			10	< 10	< 10	NA
B8-15			15	< 10	< 10	NA
B8-20			20	**240**	< 10	NA
B8-25			25	**1,100**	< 10	NA
B8-30			30	**860**	< 10	NA
B8-35			35	**15**	< 10	NA
B8-40			40	< 10	< 10	NA
B8-45			45	< 10	< 10	NA
MW1A-15	01/29/07	MW1A	15	**140**	<10	NA
MW1A-20			20	**150**	**170**	NA
MW1A-25			25	**1,900**	**66**	NA
MW1A-30			30	**4,600**	**92**	NA
MW1A-35			35	<10	<10	NA
MW1B-5	9/22/2010	MW1B	5	<0.5	**54.6**	**172**
MW1B-10			10	**0.955**	<10	<50
MW1B-15			15	**110**	**4,720**	<250
MW1B-20			20	NR	NR	NR
MW1B-25			25	**139**	**419**	<50
MW1B-30			30	**12,600**	**311**	<50
MW1B-35			35	**1,450**	<10	<50
MW1B-40			40	**0.83**	<10	<50
MW1B-45			45	<0.5	<10	<50

Table 1
(Page 4 of 5)
Soil Sample Analytical Results of Total Petroleum Hydrocarbons
Former Air Resorts Airlines
2188 Palomar Airport Road, Carlsbad, California

Sample Number	Date Sampled	Soil Boring	Depth (Feet below grade)	TPHg (mg/kg)	TPHd (mg/kg)	TPHo (mg/kg)
MW2-5	3/19/2000	MW2	5	< 10	< 10	NA
MW2-10			10	< 10	< 10	NA
MW2-15			15	< 10	< 10	NA
MW2-20			20	< 10	< 10	NA
MW2-25			25	**110**	< 10	NA
MW2-30			30	**1,600**	< 10	NA
MW2-35			35	**4,200**	< 10	NA
MW2-40			40	< 10	< 10	NA
MW2-45			45	< 10	< 10	NA
MW2-50			50	< 10	< 10	NA
MW3-5	2/7/2007	MW3	5	<10	<10	NA
MW3-10			10	<10	<10	NA
MW3-15			15	<10	<10	NA
MW3-20			20	<10	<10	NA
MW3-25			25	<10	<10	NA
MW3-30			30	<10	<10	NA
MW3-35			35	<10	<10	NA
MW3-40			40	<10	<10	NA
MW4-5	1/29/2007	MW4	5	<10	<10	NA
MW4-10			10	<10	<10	NA
MW4-15			15	<10	<10	NA
MW4-20			20	<10	<10	NA
MW4-25			25	<10	<10	NA
MW4-30			30	<10	<10	NA
MW4-35			35	<10	<10	NA
MW4-40			40	<10	<10	NA
MW4-45			45	<10	<10	NA

Table 1
(Page 5 of 5)
Soil Sample Analytical Results of Total Petroleum Hydrocarbons
Former Air Resorts Airlines
2188 Palomar Airport Road, Carlsbad, California

Sample Number	Date Sampled	Soil Boring	Depth (Feet below grade)	TPHg (mg/kg)	TPHd (mg/kg)	TPHo (mg/kg)
MW4A-30	9/20/2010	MW4A	30	<0.5	<10	<50
MW5-25	9/21/2010	MW5	25	<0.5	<10	<50
MW6-25	9/23/2010	MW6	25	<0.5	<10	<50
MW7-30	9/21/2010	MW7	30	<0.5	<10	<50
MW8-30	9/20/2010	MW8	30	<0.5	<10	<50

Notes:

Samples collected by SCS Engineers.

Concentrations reported in milligrams per kilogram (mg/kg).

TPHg = Total petroleum hydrocarbons - gasoline range, in general accordance with DHS LUFT Method.
TPHd = Total petroleum hydrocarbons - diesel range, in general accordance with DHS LUFT Method.
TPHo = Total petroleum hydrocarbons - oil range, in general accordance with DHS LUFT Method.

< indicates the reported concentration was not above the laboratory reporting limit for the relevant analytical method.

NA = not analyzed

Bold font indicates reported concentrations above the laboratory reporting limits.

Table 2
Soil Sample Analytical Results
of Volatile Organic Compounds
Former Air Resorts Airlines
2188 Palomar Airport Road, Carlsbad, California

Sample Number	Sample Date	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Total Xylenes (µg/kg)	MTBE (µg/kg)	DIPE (µg/kg)	TAME (µg/kg)	ETBE (µg/kg)	TBA (µg/kg)	Naptha (µg/kg)
B4-40	7/9/1999	**4,200**	**650,000**	**31,000**	**231,000**	NA	NA	NA	NA	NA	**990**
B5-10	7/9/1999	< 400	< 400	< 400	**860**	NA	NA	NA	NA	NA	**1,100**
B7-30	3/19/2000	**30,000**	**680,000**	**43,000**	**280,000**	<10	<10	<10	<10	<50	NA
B8-25	3/19/2000	**1,400**	**85,000**	**3,200**	**22,000**	<1	<1	<1	<1	<5	NA
MW1A-30	1/29/2007	**5,100**	**99,000**	**10,000**	**45,000**	<100	<100	<100	<100	<500	NA
MW1B-30	9/22/2010	**22,100**	**780,000**	**31,600**	**164,500**	<2,500	<2,500	<2,500	<2,500	<10,000	<5,000
MW2-35	3/19/2000	**810**	**27,000**	**1,800**	**1,300**	<0.2	<0.2	<0.2	<0.2	<1	NA
MW3-25	2/7/2007	<5	<5	<5	<15	<5	<5	<5	<5	<25	<5
MW4-30	2/7/2007	<5	<5	<5	<15	<5	<5	<5	<5	<25	<5
MW4A-30	9/20/2010	<2	<2	<2	<6	<5	<5	<5	<5	<20	<10
MW5-25	9/20/2010	**5.20**	**19.1**	<2	<6	<5	<5	<5	<5	<20	<10
MW6-25	9/22/2010	**5.5**	**9.5**	<2	<6	<5	<5	<5	<5	**71.0**	<10
MW7-30	9/21/2010	<2	<2	<2	<6	<5	<5	<5	<5	<20	<10
MW8-30	9/20/2010	<2	<2	<2	<6	<5	<5	<5	<5	<20	<10

Notes:

Samples collected by SCS Engineers.

Concentrations reported in micrograms per kilogram (µg/kg).

Soil samples analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) and methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and napthalene (Naptha) in general accordance with EPA Method 8260B.

< indicates the reported concentration was not above the laboratory reporting limit for the relevant analytical method.

Bold font indicates reported concentrations above the laboratory reporting limits.

NA - not analyzed

Table 3
Groundwater Elevation Data
Former Air Resorts Airlines
2188 Palomar Airport Road, Carlsbad, California

Monitor Well Number	Date Measured	Screened Interval (feet)	TOC Elevation (feet)	Total Depth of Well (in feet)	Depth to Product (in feet)	Depth to Water (in feet)	Product Thickness (thickness in feet)	Product Elevation (feet)	GW Elevation (feet)
MW1	7/29/1999	55-75	NA[1]	75	--	37.76	--	--	NA
	8/12/1999				--	35.82	--	--	NA
	3/26/2000				--	34.20	--	--	NA
MW1A	3/16/2007	26.5-46.5	318.35	46.74	--	25.93	--	--	292.42
	5/31/2007				--	25.36	--	--	292.99
	10/1/2007				--	25.26	--	--	293.09
MW1B	10/4/2010	24-44	321.61	44.55	--	26.69	--	--	294.92
MW2	3/26/2001	26-46	NA[1]	46	--	33.10	--	NA	NA
	11/4/2002				31.66	31.67	0.01	NA	NA
MW3	3/16/2007	19-39	317.78	39	--	25.66	--	--	292.12
	5/31/2007				--	24.11	--	--	293.67
	10/1/2007				--	24.00	--	--	293.78
	10/4/2010					22.95			294.83
MW4	3/16/2007	27-47	320.98	46.90	--	30.31	--	--	290.67
	5/31/2007				--	30.34	--	--	290.64
	10/1/2007				--	29.99	--	--	290.99
MW4A	10/4/2010	19-39	318.56	39	--	30.55	--	--	288.01
MW5	10/4/2010	20-40	321.20	40	--	23.56	--	--	297.64
MW6	10/4/2010	20-40	322.44	40	--	25.54	--	--	296.90
MW7	10/4/2010	17.6-37.6	318.88	37.60	--	27.26	--	--	291.62
MW8	10/4/2010	14.6-34.6	316.17	34.60	--	29.79	--	--	286.38

Notes:

Data collected from 1999 and 2001 collected by EBS, and 2007 and 2010 by SCS Engineers.

Depth to Water = Depth to groundwater as measured in the well in feet below the top of casing (TOC).

TOC Elevation = Elevation of the top of casing in feet above approved datum. Survey performed by Project Design Consultants.

GW Elevation = Elevation of groundwater as measured in well in feet above mean sea level.

NA[1] = Monitoring wells MW1 and MW2 were not surveyed before they were buried during Palomar Airport construction activites.

-- = none measured

Table 4
Groundwater Sample Analytical Results of Volatile Organic Compounds and Total Lead
Former Air Resorts Airlines
2188 Palomar Airport Road, Carlsbad, California

Well ID	Date Sampled	Units	TPHg	TPHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	DIPE	TAME	ETBE	TBA	Vinyl Chloride	Napht	Chloro-ethane	cis-1,2-DCE	1,2-Dichloro-ethane	EDB	Freon-12	n-Propyl-benzene	Isopropyl-benzene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene	p-Isopropyl-toluene	Methylene chloride	Total Lead
MW1	7/16/1999	µg/L	<500	<500	< 2	**37**	<2	**5.7**	<2	< 2	< 2	< 2	< 2	<2	< 2	< 2	< 2	< 3	< 4	< 2	< 2	< 2	< 2	< 2	< 2	**2.1**[b]	<1
	3/26/2000		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW1A	3/16/2007	µg/L	**27,000**	**1,000**	**3,900**	**67,000**	**510**	**2,570**	**59**	<1	<1	<1	<5	<1	<1	**72**	**150**	<1	<1	<1	**40**	**16**	**69**	**290**	**2.6**	<1	NA
	5/31/2007		**17,000**	**510**	**5,100**	**35,000**	<500	**2,760**	<1,000	<1	<1	<1	<5	<1	<1	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1	**110**
	10/1/2007		**46,000**	**2,600**	**5,100**	**33,000**	**390**	**2,190**	**150**	<100	<100	<100	<500	<100	<100	<100	<100	**570**	**690**	<100	<100	<100	<100	**270**	<100	<100	**124**
MW1B	10/4/2010	µg/L	**120,000**	<500	**6,400**	**38,000**	**1,500**	**9,800**	**59**	<10	<10	<10	<50	NA	**250**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW2	3/26/2001	µg/L	**350,000**	<500	**6,100**	**74,000**	<1,000	**5,700**	<1,000	<1,000	<1,000	<1,000	<5,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	**172**
MW3	3/16/2007	µg/L	<500	<500	**0.9**	**0.8**	<0.5	<1.5	<1	<1	<1	<1	<5	<1	<1	<1	**2.7**	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA
	5/31/2007		**1,500**	<500	**81**	**1,300**	**23**	**170**	<1	<1	<1	<1	<5	<10	<1	<10	<10	<10	<10	<10	<10	<10	<10	**23**	<10	<1	<10
	10/1/2007		<500	<500	**7.6**	**3.0**	<0.5	**0.5**	**6.6**	<1	<1	<1	<5	**2.9**	<1	<1	**6.8**	**12**	<1	<1	<1	<1	<1	<1	<1	<1	<10
	10/4/2010		<500	<500	**11**	**33**	**2.4**	**10.0**	**13**	<1	<1	<1	<5	NA	**5.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW4	3/16/2007	µg/L	**2,100**	<500	**53**	**890**	**30**	**181**	<10	<10	<10	<10	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	**22**	<10	<10	NA
	5/31/2007		<500	<500	**7.8**	**120**	<5	**33.3**	<10	<10	<10	<10	<50	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	10/1/2007		**840**	<500	**45**	**760**	**9.5**	**73**	<1	<1	<1	<1	<5	<1	<1	<1	<1	**3.3**	**5.5**	**1**	**1.1**	<1	**2.6**	**8.8**	<1	<1	<10
MW4A	10/4/2010	µg/L	<500	<500	**1.3**	**9.6**	**0.6**	**2.8**	**1.8**	<1	<1	<1	<5	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW5	10/4/2010	µg/L	<500	<500	**9.6**	**34**	**0.8**	**4.1**	<1	<1	<1	<1	<5	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW6	10/4/2010	µg/L	**33,000**	<500	**1,400**	**13,000**	**320**	**2,350**	<10	<10	<10	<10	<50	NA	**77**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW7	10/4/2010	µg/L	<500	<500	**2.7**	**5.9**	**1.2**	**5.9**	**3.8**	<1	<1	<1	<5	NA	**1.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW8	10/4/2010	µg/L	<500	<500	**0.6**	**8.0**	<0.5	**2.0**	<1	<1	<1	<1	<5	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Samples collected in 1999 and 2000 by EBS and samples collected in 2007 and 2010 by SCS Engineers.
Results reported in micrograms per liter (ug/L).
Groundwater samples analyzed for volatile organic compounds in general accordance with EPA Method 8260B and analyzed for total lead in general accordance with EPA Method 6010B.
< = Concentration is not above the indicated laboratory reporting limit for that sample.
TPHg = Total petroleum hydrocarbons, gasoline range (C5 to C11 based on lab report).
TPHd = Total petroleum hydrocarbons, diesel range (C12 to C24 based on lab report).
TPHg and TPHd analyzed in general accordance with California Department of Health Services LUFT Method.
BTEX = Benzene, toluene, ethylbenzene, and xylenes
MTBE = Methyl tertiary butyl ether
ETBE = Ethyl tertiary butyl ether
TBA = Tertiary butyl alcohol
DIPE = Di-isopropyl ether
TAME = Tertiary-amyl methyl ether
Napht = Naphthalene
cis-1,2-DCE = cis-1,2-Dichloroethane
EDB = 1,2-Dibromoethane
Dichlorodifluoromethane = Freon-12
NA = Not analyzed
Bold font indicates reported concentrations above the laboratory reporting limits.

Table 5
Groundwater Sample Analytical Results of Polynuclear Aromatic Hydrocarbons
Former Air Resorts Airlines
2188 Palomar Airport Road, Carlsbad, California

Well ID	Date Sampled	Units	Napht	Acena-phthylene	Acena-phthene	Fluorene	Phen-anthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1,2,3-c,d) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene
MW1A	3/16/2007	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/31/2007		**430**	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	< 50	< 50	< 50
	10/1/2007		**220**	<20	**29**	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
MW1	7/16/1999	µg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
	3/26/2000		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW2	3/26/2001	µg/L	< 1.2	< 1.2	< 1.2	**2.5**	< 1.2	< 1.2	**2.5**	**4.1**	< 1.2	**2.3**	< 1.2	< 1.2	**1.7**	< 1.2	< 1.2	< 1.2
MW3	3/16/2007	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/31/2007		**2.0**	**4.4**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2	< 1.0	< 0.2	< 1.0	< 1.0	< 1.0
	10/1/2007		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2	< 1.0	< 1.0	< 1.0
MW4	3/16/2007	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/31/2007		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2	< 1.0	< 1.0	< 1.0	< 1.0	<10
	10/1/2007		**1.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2	< 1.0	< 1.0	< 1.0

Notes:
Samples collected by SCS Engineers.
Results reported in micrograms per liter (ug/L).
Groundwater samples analyzed for polynuclear aromatic hydrocarbons (PAHs) in general accordance with EPA Method 8310.
< = Concentration is not above the indicated laboratory reporting limit.
Napht = Naphthalene
NA = Not analyzed
NS = Not sampled

FIGURES



Disclaimer: This figure is an interpretation based on available data.
Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
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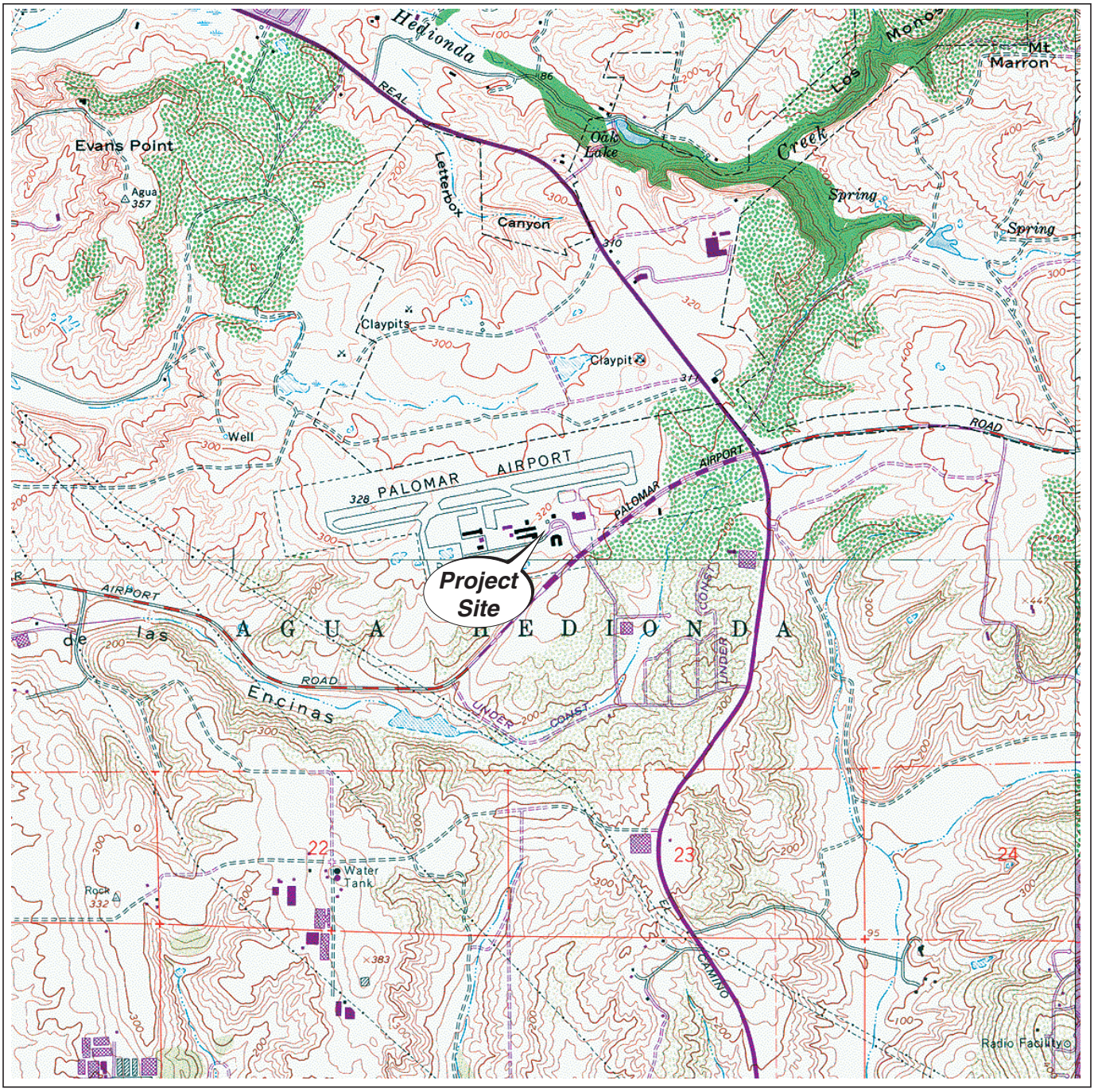
REGIONAL SITE VICINITY

Former Air Resorts Airline
2188 Palomar Airport Road
Carlsbad, California

Project No.: 11981630.06

Figure 1

Date Drafted: 4/24/07



Reference:
U.S.G.S. 7.5 Minute Quadrangle map
Carlsbad, California" - 1977. Photorevised 1982.

0 1000 2000 3000
Approximate Graphic Scale in Feet

North

Disclaimer: This figure is an interpretation based on available data.
Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
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SITE LOCATION MAP

Former Air Resorts Airline
2188 Palomar Airport Road
Carlsbad, California

Project No.: 11981630.06

Figure 2

Date Drafted: 4/24/07



EXPLANATION

B3 — Location of former soil borings. Soil borings B1 through B8 installed by Environmental Business Solutions (EBS) between 1999 and 2005.

MW8 — Groundwater monitoring well location. Groundwater monitoring wells installed by EBS between 1999 and 2001, and SCS Engineers between 2005 and 2010.

MW1A — Destroyed groundwater monitoring well location. Monitoring wells MW1A and MW4 were destroyed in November 2007.

Fence line

A' / A — Cross-Section Location

APPROXIMATE SCALE IN FEET

30 0 30

N

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
8799 BALBOA AVENUE, SUITE 290
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SITE PLAN
Former Air Resorts Airline
2188 Palomar Airport Rd
Carlsbad, California

Project No.: 11981630.06

Figure 3

Date Drafted: 4/25/11

Z:\Maxfiles\MAC Projects\98\1601 to 1650\98e1630 (Air Resorts Airline)\figs 1630.06 2188 Palomar Arpt\Add Assess Oct 2010\11981630.06.figs 3-10.dwg



B5/MW1

Depth	TPHg	TPHd
5	18	306
10	369	3,456
15	14	209
20	207	915
25	12	<10
30	99	64
35	<10	<10
40	<10	88
45	<10	<10
50	<10	<10
55	<10	<10
60	<10	72
65	<10	27
70	<10	75
75	<10	68
80	<10	<10
85	<10	<10

MW5

Depth	TPHg	TPHd
30	<0.5	<10

MW6

Depth	TPHg	TPHd
30	<0.5	<10

B4

Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	<10	<10
30	<10	<10
35	<10	<10
40	<10	<10
45	<10	<10
50	<10	<10

B3

Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	<10	<10
30	<10	<10
35	<10	<10
40	<10	<10
45	<10	<10
50	<10	<10

B1

Depth	TPHg	TPHd
5	91	946
10	179	933
15	26	62
20	<10	<10
25	<10	<10
30	<10	<10
35	<10	<10
40	<10	<10
45	<10	<10
50	<10	<10

MW1A

Depth	TPHg	TPHd
15	140	<10
20	150	170
25	1,900	66
30	4,600	92
35	<10	<10

B6

Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	<10	<10
30	<10	<10
35	<10	<10
40	<10	<10
45	<10	<10
50	<10	<10

MW3

Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	<10	<10
30	<10	<10
35	<10	<10
40	<10	<10

MW1B

Depth	TPHg	TPHd
5	<0.5	54.6
10	0.955	<10
15	110	4,720
20	NR	NR
25	139	419
30	12,600	311
35	1,450	<10
40	0.83	<10
45	<0.5	<10

B8

Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	240	<10
25	1,100	<10
30	860	<10
35	15	<10
40	<10	<10
45	<10	<10

B7

Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	12,000	<10
30	<10	<10
35	<10	<10
40	<10	<10
45	<10	<10

MW2

Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	110	<10
30	1,600	<10
35	4,200	<10
40	<10	<10
45	<10	<10
50	<10	<10

TPHg	TPHd	Benzene
350,000	<500	6,100

MW7

Depth	TPHg	TPHd
30	<0.5	<10

MW4A

Depth	TPHg	TPHd
30	<0.5	<10

B2

Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	29	<10
25	4,629	<10
30	1,325	<10
35	2,129	<10
40	9,938	<10
45	<10	<10
50	<10	<10
55	<10	<10

MW4

Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	<10	<10
30	<10	<10
35	<10	<10
40	<10	<10
45	<10	<10

MW8

Depth	TPHg	TPHd
30	<0.5	<10

EXPLANATION

B3 — Location of former soil borings. Soil borings B1 through B8 installed by Environmental Business Solutions between 1999 and 2005.

MW8 — Groundwater monitoring well location. Groundwater monitoring wells installed by EBS between 1999 and 2001, and SCS Engineers between 2005 and 2010.

MW1A — Destroyed groundwater monitoring well location. Monitoring wells MW1A and MW4 were destroyed in November 2007.

Approximate extent of petroleum hydrocarbon-bearing soil (<1,000 mg/kg). Petroleum hydrocarbon-bearing soil horizontal area has been estimated to be approximately 550 square feet in the excavaion of the UST pit and 2,530 square feet in the caprillary fringe or smear zone.

Fence line.

MW2

Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	<10	<10
30	1,600	<10
35	4,200	<10
40	<10	<10
45	<10	<10
50	<10	<10

TPHg	TPHd	Benzene
350,000	<500	6,100

Soil samples with depth in feet below grade were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and as diesel (TPHd). Results reported in milligrams per kilogram (mg/kg). MW1A, MW3, and MW4 sampled in 2007 and MW1B, MW4A, MW5 through MW8 sampled in 2010. NR = No recovery.

Groundwater grab sample collected on March 26, 2001 and analyzed for total petroleum hydrocarbons as gasoline (TPHg), diesel (TPHd), and benzene. Results reported in micrograms per liter (µg/L).

MW2

Depth	TPHg	TPHd
5	<10	<10

Destroyed groundwater monitoring well location.

APPROXIMATE SCALE IN FEET

30 0 30

N

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SOIL SAMPLE TOTAL PETROLEUM HYDROCARBONS ANALYTICAL RESULTS
Former Air Resorts Airline
2188 Palomar Airport Rd
Carlsbad, California

Project No.: 11981630.06

Figure 4

Date Drafted: 4/25/11

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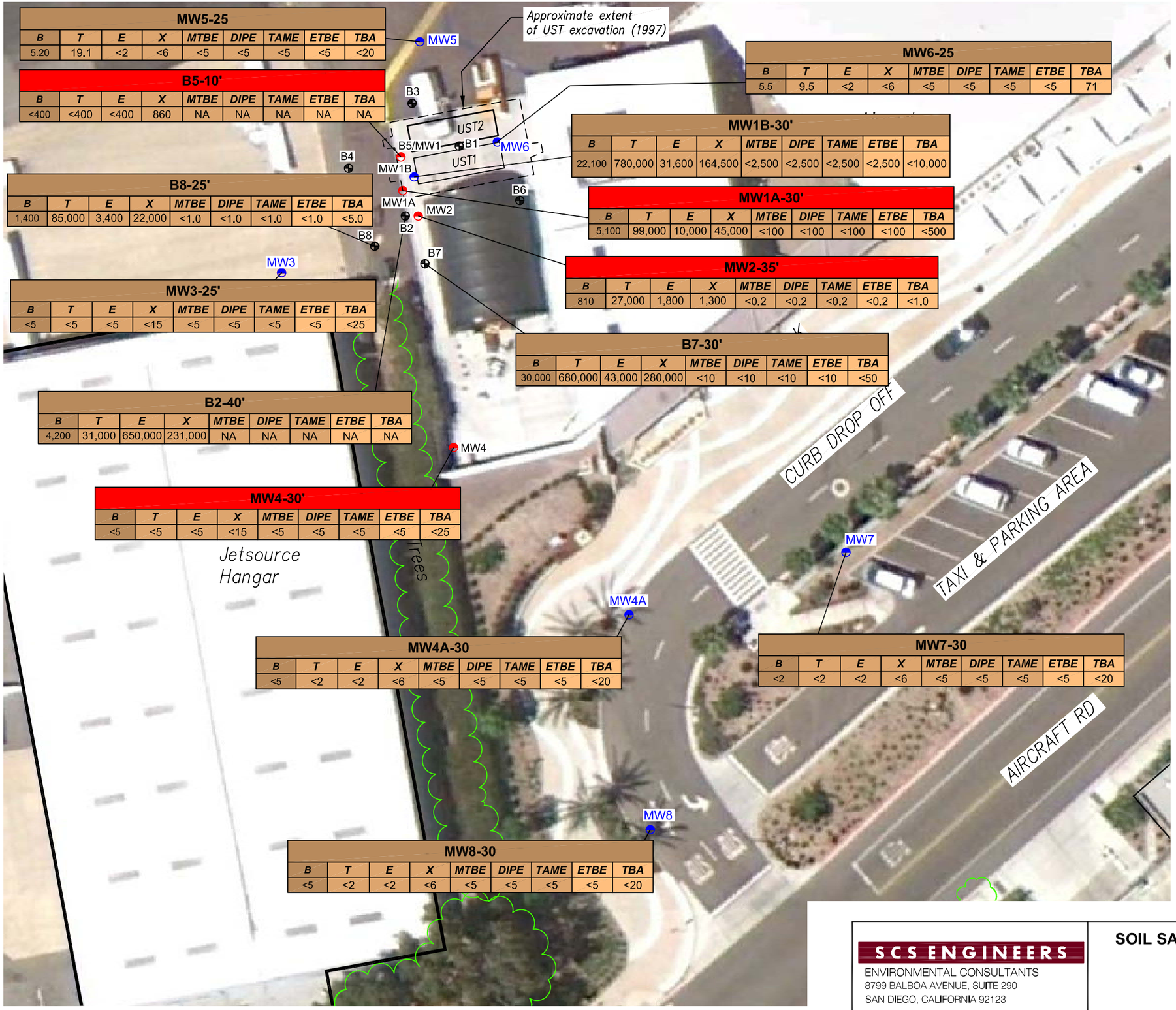

MW5-25

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
5.20	19.1	<2	<6	<5	<5	<5	<5	<20

B5-10'

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
<400	<400	<400	860	NA	NA	NA	NA	NA

B8-25'

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
1,400	85,000	3,400	22,000	<1.0	<1.0	<1.0	<1.0	<5.0

MW3-25'

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
<5	<5	<5	<15	<5	<5	<5	<5	<25

B2-40'

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
4,200	31,000	650,000	231,000	NA	NA	NA	NA	NA

MW4-30'

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
<5	<5	<5	<15	<5	<5	<5	<5	<25

MW4A-30

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
<5	<2	<2	<6	<5	<5	<5	<5	<20

MW8-30

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
<5	<2	<2	<6	<5	<5	<5	<5	<20

MW6-25

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
5.5	9.5	<2	<6	<5	<5	<5	<5	71

MW1B-30'

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
22,100	780,000	31,600	164,500	<2,500	<2,500	<2,500	<2,500	<10,000

MW1A-30'

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
5,100	99,000	10,000	45,000	<100	<100	<100	<100	<500

MW2-35'

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
810	27,000	1,800	1,300	<0.2	<0.2	<0.2	<0.2	<1.0

B7-30'

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
30,000	680,000	43,000	280,000	<10	<10	<10	<10	<50

MW7-30

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
<2	<2	<2	<6	<5	<5	<5	<5	<20

EXPLANATION

B3 — Location of former soil borings. Soil borings B1 through B8 installed by Environmental Business Solutions between 1999 and 2005.

MW8 — Groundwater monitoring well location. Groundwater monitoring wells installed by EBS between 1999 and 2001, and SCS Engineers between 2005 and 2010.

MW1A — Destroyed groundwater monitoring well location. Monitoring wells MW1A and MW4 were destroyed in November 2007.

Fence line.

MW1A-30'

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
5,100	99,000	10,000	45,000	<100	<100	<100	<100	<500

Samples analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA) in general accordance with EPA Method 8260B. < indicates the reported concentration was not above the laboratory reporting limit for the relevant analytical method. Results reported in micrograms per kilogram (µg/kg). Samples collected by SCS Engineers in 2007 and 2010.

B5-10'

B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
<400	<400	860	<400	NA	NA	NA	NA	NA

Destroyed groundwater monitoring well location.

APPROXIMATE SCALE IN FEET

30 0 30

N

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SOIL SAMPLE VOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
Former Air Resorts Airline
2188 Palomar Airport Rd
Carlsbad, California

Project No.: 11981630.06

Figure 5

Date Drafted: 4/25/11

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EXPLANATION

B3	Location of former soil borings. Soil borings B1 through B8 installed by Environmental Business Solutions between 1999 and 2005.
MW8	Groundwater monitoring well location. Groundwater monitoring wells installed by EBS between 1999 and 2001, and SCS Engineers between 2005 and 2010. Current groundwater elevation in feet above mean sea level noted in parentheses.
MW1A	Destroyed groundwater monitoring well location. Monitoring wells MW1A and MW4 were destroyed in November 2007.
286.38	Groundwater elevation interpreted from observations made on October 4, 2010 given in feet above mean sea level.
	Interpreted groundwater gradient with estimated magnitude shown.
	Fence line.

APPROXIMATE SCALE IN FEET

30 0 30

N

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GROUNDWATER ELEVATION CONTOUR AND INTERPRETED GRADIENT (OCTOBER 2010)

Former Air Resorts Airline
2188 Palomar Airport Rd
Carlsbad, California

Project No.: 11981630.06

Figure 6

Date Drafted: 4/25/11

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MW5	
Date	*10/10*
TPHg	<500
TPHd	<500
B	9.6
T	34
E	0.8
X	4.1
MTBE	<1
Napht	<1

MW6	
Date	*10/10*
TPHg	33,000
TPHd	<500
B	1,400
T	13,000
E	320
X	2,350
MTBE	<10
Napht	77

MW1B	
Date	*10/10*
TPHg	120,000
TPHd	<500
B	6,400
T	38,000
E	1,500
X	9,800
MTBE	59
Napht	250

MW3	
Date	10/10
TPHg	<500
TPHd	<500
B	11
T	33
E	2.4
X	10.0
MTBE	13
Napht	5.9

MW7	
Date	*10/10*
TPHg	<500
TPHd	<500
B	2.7
T	5.9
E	1.2
X	5.9
MTBE	3.8
Napht	1.3

MW4A	
Date	*10/10*
TPHg	<500
TPHd	<500
B	1.3
T	9.6
E	0.6
X	2.8
MTBE	1.8
Napht	<1

MW8	
Date	*10/10*
TPHg	<500
TPHd	<500
B	0.6
T	8.0
E	<0.5
X	2.0
MTBE	<1
Napht	<1

EXPLANATION

B3 — Location of former soil borings. Soil borings B1 through B8 installed by Environmental Business Solutions between 1999 and 2005.

MW8 — Groundwater monitoring well location. Groundwater monitoring wells installed by EBS between 1999 and 2001, and SCS Engineers between 2005 and 2010.

MW1A — Destroyed groundwater monitoring well location. Monitoring wells MW1A and MW4 were destroyed in November 2007.

Fence line.

MW1B	
TPHg	27,000
TPHd	1,000
B	3,900
T	67,000
E	510
X	2,570
MTBE	59
Napht	54

Groundwater samples analyzed for total petroleum hydrocarbons (TPH) in general accordance with 8015B-modified and volatile organic compounds (VOCs) in general accordance with EPA Method 8260B. < indicates the concentration is not above the indicated laboratory reporting limit for that sample. Results reported in micrograms per liter (µg/L).

TPHg = total petroleum hydrocarbons as gasoline
TPHd = total petroleum hydrocarbons as diesel
BTEX = benzene, toluene, ethylbenzene, xylenes
MTBE = methyl tertiary butyl ether
Napht = naphthalene

APPROXIMATE SCALE IN FEET

30 0 30

N

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GROUNDWATER SAMPLE VOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS OCTOBER 2010

Former Air Resorts Airline
2188 Palomar Airport Rd
Carlsbad, California

Project No.: 11981630.06

Figure 7

Date Drafted: 4/25/11

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MW1		
Date	7/99	3/00
TPHg	<500	NS
TPHd	<500	NS
B	<2	NS
T	37	NS
E	<2	NS
X	5.7	NS
MTBE	<2	NS
Napht	<2	NS
Chloroethane	<2	NS
cis-1,2 DCE	<2	NS
n-PB	<2	NS
IPB	<2	NS
1,3,5-TMB	<2	NS
1,2,4-TMB	<2	NS
p-IPT	<2	NS
Methylene chloride	2.1	NS
Lead	<1	NS

MW3				
Date	3/07	5/07	10/07	10/10
TPHg	<500	1,500	<500	<500
TPHd	<500	<500	<500	<500
B	0.9	81	7.6	11
T	0.8	1,300	3.0	33
E	<0.5	23.0	<0.5	2.4
X	<1.5	170	0.5	10.0
MTBE	<1	<1	6.6	13
Napht	<1	<1	<1	5.9
Chloroethane	<1	<10	<1	NA
cis-1,2 DCE	2.7	<10	6.8	NA
EDB	<1	<10	<1	NA
Freon-12	<1	<10	<1	NA
n-PB	<1	<10	<1	NA
IPB	<1	<10	<1	NA
1,3,5-TMB	<1	<10	<1	NA
1,2,4-TMB	<1	23	<1	NA
p-IPT	<1	<10	<1	NA
Methylene chloride	<1	<1	<1	NA
Lead	NA	<10	<10	NA

MW1A			
Date	3/07	5/07	10/07
TPHg	27,000	17,000	46,000
TPHd	1,000	510	2,600
B	3,900	5,100	5,100
T	67,000	35,000	33,000
E	510	<500	390
X	2,570	2,760	2,190
MTBE	59	<1,000	150
Napht	54	430	<100
Chloroethane	72	<1,000	<100
cis-1,2 DCE	150	<1,000	<100
EDB	NA	NA	690
Freon-12	NA	NA	<100
n-PB	40	<1,000	<100
IPB	16	<1,000	<100
1,3,5-TMB	69	<1,000	<100
1,2,4-TMB	290	<1,000	270
p-IPT	2.6	<1,000	<100
Methylene chloride	<1	<1	<100
Lead	NA	110	124

MW4			
Date	3/07	5/07	10/07
TPHg	2,100	<500	840
TPHd	<500	<500	<500
B	53	7.8	45
T	890	120	760
E	30	<5	9.5
X	181	33.3	73
MTBE	<10	<10	<1
Napht	<10	<10	<1
Chloroethane	<10	<10	<1
cis-1,2 DCE	<10	<10	<1
EBD	<10	<10	5.5
Freon-12	<10	<10	1
n-PB	<10	<10	1.1
IPB	<10	<10	<1
1,3,5-TMB	<10	<10	2.6
1,2,4-TMB	22	<10	8.8
p-IPT	<10	<10	<1
Methylene chloride	<10	<10	<1
Lead	NA	<10	<10

MW5	
Date	10/10
TPHg	<500
TPHd	<500
B	9.6
T	34
E	0.8
X	4.1
MTBE	<1
Napht	<1
Chloroethane	NA
cis-1,2 DCE	NA
n-PB	NA
IPB	NA
1,3,5-TMB	NA
1,2,4-TMB	NA
p-IPT	NA
Methylene chloride	NA
Lead	NA

MW6	
Date	10/10
TPHg	33,000
TPHd	<500
B	1,400
T	13,000
E	320
X	2,350
MTBE	<10
Napht	77
Chloroethane	NA
cis-1,2 DCE	NA
n-PB	NA
IPB	NA
1,3,5-TMB	NA
1,2,4-TMB	NA
p-IPT	NA
Methylene chloride	NA
Lead	NA

MW1B	
Date	10/10
TPHg	120,000
TPHd	<500
B	6,400
T	38,000
E	1,500
X	9,800
MTBE	59
Napht	250
Chloroethane	NA
cis-1,2 DCE	NA
n-PB	NA
IPB	NA
1,3,5-TMB	NA
1,2,4-TMB	NA
p-IPT	NA
Methylene chloride	NA
Lead	NA

MW2	
Date	3/01
TPHg	350,000
TPHd	<500
B	6,100
T	74,000
E	<1,000
X	5,700
MTBE	<1,000
Napht	<1,000
Chloroethane	<1,000
cis-1,2 DCE	<1,000
n-PB	<1,000
IPB	<1,000
1,3,5-TMB	<1,000
1,2,4-TMB	<1,000
p-IPT	<1,000
Methylene chloride	<1,000
Lead	172

MW4A	
Date	10/10
TPHg	<500
TPHd	<500
B	1.3
T	9.6
E	0.6
X	2.8
MTBE	1.8
Napht	<1
Chloroethane	NA
cis-1,2 DCE	NA
n-PB	NA
IPB	NA
1,3,5-TMB	NA
1,2,4-TMB	NA
p-IPT	NA
Methylene chloride	NA
Lead	NA

MW7	
Date	10/10
TPHg	<500
TPHd	<500
B	2.7
T	5.9
E	1.2
X	5.9
MTBE	3.8
Napht	1.3
Chloroethane	NA
cis-1,2 DCE	NA
n-PB	NA
IPB	NA
1,3,5-TMB	NA
1,2,4-TMB	NA
p-IPT	NA
Methylene chloride	NA
Lead	NA

MW8	
Date	10/10
TPHg	<500
TPHd	<500
B	0.6
T	8.0
E	<0.5
X	2.0
MTBE	<1
Napht	<1
Chloroethane	NA
cis-1,2 DCE	NA
n-PB	NA
IPB	NA
1,3,5-TMB	NA
1,2,4-TMB	NA
p-IPT	NA
Methylene chloride	NA
Lead	NA

EXPLANATION

B3 — Location of former soil borings. Soil borings B1 through B8 installed by Environmental Business Solutions between 1999 and 2005.

MW8 — Groundwater monitoring well location. Groundwater monitoring wells installed by EBS between 1999 and 2001, and SCS Engineers between 2005 and 2010.

MW1A — Destroyed groundwater monitoring well location. Monitoring wells MW1A and MW4 were destroyed in November 2007.

Fence line.

MW1A	
TPHg	27,000
TPHd	1,000
B	3,900
T	67,000
E	510
X	2,570
MTBE	59
Napht	54
Chloroethane	72
cis-1,2 DCE	150
n-PB	40
IPB	16
1,3,5-TMB	69
1,2,4-TMB	290
p-IPT	2.6

Groundwater samples analyzed for total petroleum hydrocarbons (TPH) in general accordance with 8015B-modified and volatile organic compounds (VOCs) in general accordance with EPA Method 8260B. < indicates the concentration is not above the indicated laboratory reporting limit for that sample. Results reported in micrograms per liter (µg/L). NS = not sampled.

TPHg = total petroleum hydrocarbons as gasoline
TPHd = total petroleum hydrocarbons as diesel
BTEX = benzene, toluene, ethylbenzene, xylenes
MTBE = methyl tertiary butyl ether
Napht = naphthalene
cis-1,2 DCE = cis-1,2-Dichloroethane
n-PB = n-Propylbenzene
IPB = isopropylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
1,2,4-TMB = 1,2,4-Trimethylbenzene
p-IPT = p-isopropyltoluene
EDB = 1,2-dibromoethane
Freon-12 = dichlorodifluoromethane

MW1A
TPHg 27,000

Destroyed groundwater monitoring well location.

APPROXIMATE SCALE IN FEET

30 0 30

N

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GROUNDWATER SAMPLE VOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
Former Air Resorts Airline
2188 Palomar Airport Rd
Carlsbad, California

Project No.: 11981630.06

Figure 8

Date Drafted: 4/25/11

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MW3			
Date	*3/07*	*5/07*	*10/07*
Napht	NA	2	<1.0
Acenaphthylene	NA	4.4	<1.0
Acenaphthene	NA	<1	<1.0
Fluorene	NA	<1	<1.0
Phenanthrene	NA	<1	<1.0
Anthracene	NA	<1	<1.0
Fluoranthene	NA	<1	<1.0
Pyrene	NA	<1	<1.0
Benzo (a) anthracene	NA	<1	<1.0
Chrysene	NA	<1	<1.0
Benzo (b) fluoranthene	NA	<1	<1.0
Benzo (k) fluoranthene	NA	<1	<1.0
Benzo (a) pyrene	NA	<0.2	<1.0
Indeno (1,2,3-c,d) pyrene	NA	<1	<1.0
Dibenzo (a,h) anthracene	NA	<1	<1.0
Benzo (g,h,i) perylene	NA	<1	<1.0

MW1		
Date	*7/99*	*3/00*
Napht	<10	NS
Acenaphthylene	<10	NS
Acenaphthene	<10	NS
Fluorene	<10	NS
Phenanthrene	<10	NS
Anthracene	<10	NS
Fluoranthene	<10	NS
Pyrene	<10	NS
Benzo (a) anthracene	<10	NS
Chrysene	<10	NS
Benzo (b) fluoranthene	<10	NS
Benzo (k) fluoranthene	<10	NS
Benzo (a) pyrene	<10	NS
Indeno (1,2,3-c,d) pyrene	<10	NS
Dibenzo (a,h) anthracene	<10	NS
Benzo (g,h,i) perylene	<10	NS

MW2	
Date	*3/01*
Napht	<1.2
Acenaphthylene	<1.2
Acenaphthene	<1.2
Fluorene	2.5
Phenanthrene	<1
Anthracene	<1
Fluoranthene	2.5
Pyrene	4.1
Benzo (a) anthracene	<1.2
Chrysene	2.3
Benzo (b) fluoranthene	<1.2
Benzo (k) fluoranthene	<1.2
Benzo (a) pyrene	1.7
Indeno (1,2,3-c,d) pyrene	<1.2
Dibenzo (a,h) anthracene	<1.2
Benzo (g,h,i) perylene	<1.2

MW4			
Date	*3/07*	*5/07*	*10/07*
Napht	NA	<1	1.2
Acenaphthylene	NA	<1	<1.0
Acenaphthene	NA	<1	<1.0
Fluorene	NA	<1	<1.0
Phenanthrene	NA	<1	<1.0
Anthracene	NA	<1	<1.0
Fluoranthene	NA	<1	<1.0
Pyrene	NA	<1	<1.0
Benzo (a) anthracene	NA	<1	<1.0
Chrysene	NA	<1	<1.0
Benzo (b) fluoranthene	NA	<0.2	<1.0
Benzo (k) fluoranthene	NA	<1	<1.0
Benzo (a) pyrene	NA	<1	<0.2
Indeno (1,2,3-c,d) pyrene	NA	<1	<1.0
Dibenzo (a,h) anthracene	NA	<1	<1.0
Benzo (g,h,i) perylene	NA	<1	<1.0

MW1A			
Date	*3/07*	*5/07*	*10/07*
Napht	NA	430	220
Acenaphthylene	NA	<50	<20
Acenaphthene	NA	<50	29
Fluorene	NA	<50	<20
Phenanthrene	NA	<50	<20
Anthracene	NA	<50	<20
Fluoranthene	NA	<50	<20
Pyrene	NA	<50	<20
Benzo (a) anthracene	NA	<50	<20
Chrysene	NA	<50	<20
Benzo (b) fluoranthene	NA	<50	<20
Benzo (k) fluoranthene	NA	<50	<20
Benzo (a) pyrene	NA	<10	<20
Indeno (1,2,3-c,d) pyrene	NA	<50	<20
Dibenzo (a,h) anthracene	NA	<50	<20
Benzo (g,h,i) perylene	NA	<50	<20

EXPLANATION

B3 — Location of former soil borings. Soil borings B1 through B8 installed by Environmental Business Solutions between 1999 and 2005.

MW8 — Groundwater monitoring well location. Groundwater monitoring wells installed by EBS between 1999 and 2001, and SCS Engineers between 2005 and 2010.

MW1A — Destroyed groundwater monitoring well location. Monitoring wells MW1A and MW4 were destroyed in November 2007.

Fence line.

MW1A		
Date	*3/07*	*5/07*
Napht	NA	430
Acenaphthylene	NA	<50
Acenaphthene	NA	<50
Fluorene	NA	<50
Phenanthrene	NA	<50
Anthracene	NA	<50
Fluoranthene	NA	<50
Pyrene	NA	<50
Benzo (a) anthracene	NA	<50
Chrysene	NA	<50
Benzo (b) fluoranthene	NA	<50
Benzo (k) fluoranthene	NA	<50
Benzo (a) pyrene	NA	<10
Indeno (1,2,3-c,d) pyrene	NA	<50
Dibenzo (a,h) anthracene	NA	<50
Benzo (g,h,i) perylene	NA	<50

Groundwater samples analyzed for polynuclear aromatic hydrocarbons in general accordance with EPA Method 8310. < indicates the concentration is not above the indicated laboratory detection limit for that sample. Results reported in micrograms per liter (µg/L).

Napht = naphthalene
NS = not sampled
NA = not analyzed

MW1A	
Date	*3/07*
Napht	NA

Destroyed groundwater monitoring well location.

APPROXIMATE SCALE IN FEET

30 0 30

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GROUNDWATER SAMPLE POLYNUCLEAR AROMATIC HYDROCARBONS ANALYTICAL RESULTS

Former Air Resorts Airline
2188 Palomar Airport Rd
Carlsbad, California

Project No.: 11981630.06

Figure 9

Date Drafted: 4/25/11

Z:\Mxrfiles\MAC Projects\98\1601 to 1650\98e1630 (Air Resorts Airline)\figs 1630.06 2188 Palomar Arpt\Add Assess Oct 2010\11981630.06.figs 3-10.dwg



EXPLANATION

B3	Location of former soil borings. Soil borings B1 through B8 installed by Environmental Business Solutions between 1999 and 2005.
MW8 (1000)	Groundwater monitoring well location. Groundwater monitoring wells installed by EBS between 1999 and 2001, and SCS Engineers between 2005 and 2010. Current reported concentrations of benzene noted in parentheses. Results reported in micrograms per liter (ug/L).
MW1A	Destroyed groundwater monitoring well location. Monitoring wells MW1A and MW4 were destroyed in November 2007.
	Fence line.
1000	Iso-concentration contours of benzene reported in micrograms per liter (µg/L) in October 2010. Dashed where estimated, queried where interpreted.

APPROXIMATE SCALE IN FEET

30 0 30

N

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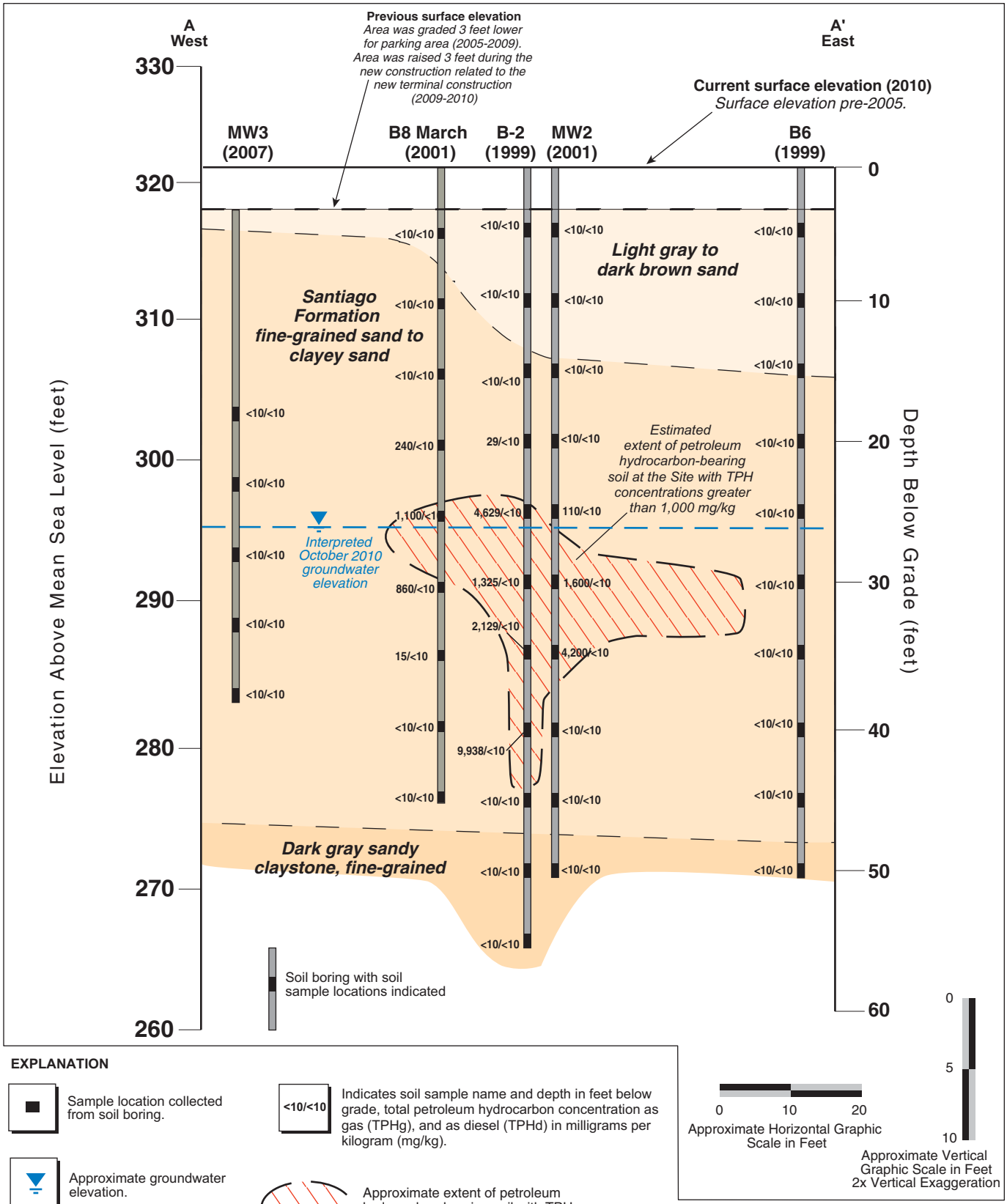
ISO-CONCENTRATION CONTOURS FOR BENZENE IN SHALLOW GROUNDWATER (OCTOBER 2010)
Former Air Resorts Airline
2188 Palomar Airport Rd
Carlsbad, California

Project No.: 11981630.06

Figure 10

Date Drafted: 4/25/11

Z:\Maxfiles\MAC Projects\98\1601 to 1650\98e1630 (Air Resorts Airline)\figs 1630.06 2188 Palomar Arpt\Add Assess Oct 2010\11981630.06.figs 3-10.dwg



EXPLANATION

- Sample location collected from soil boring.
- <10/<10 — Indicates soil sample name and depth in feet below grade, total petroleum hydrocarbon concentration as gas (TPHg), and as diesel (TPHd) in milligrams per kilogram (mg/kg).
- Approximate groundwater elevation.
- Approximate extent of petroleum hydrocarbon-bearing soil with TPH concentrations greater than 1,000 mg/kg.

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

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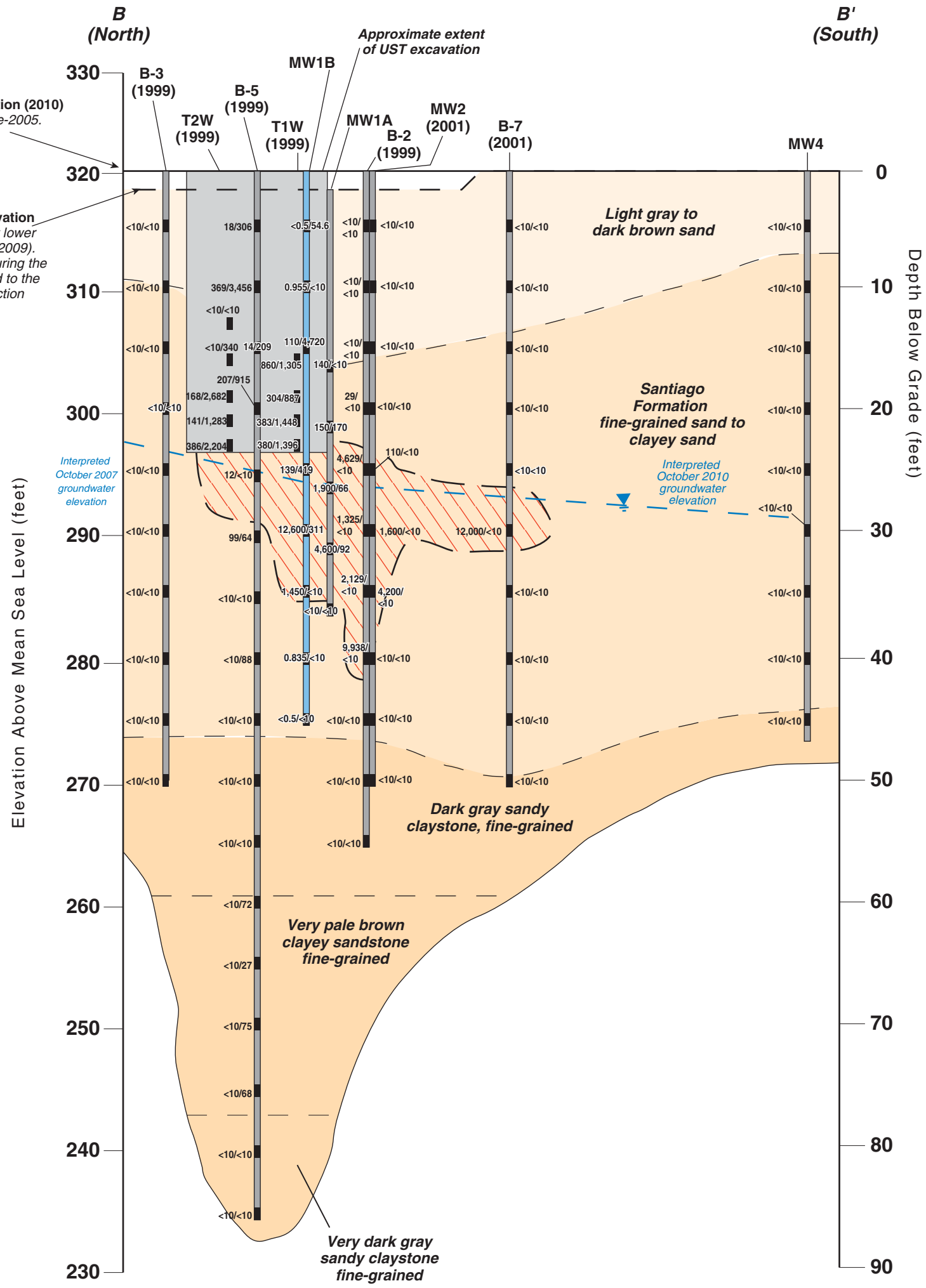
CROSS SECTION A-A' SHOWING GENERALIZED GEOLOGY

Former Air Resorts Airline
2188 Palomar Airport Road
Carlsbad, California

Project No.: 11981630.06

Figure 11

Date Drafted: 4/19/11



EXPLANATION

<10/<10 — Location and results of soil sample. Results for total petroleum hydrocarbons as gasoline (TPHg) and as diesel (TPHd) reported in milligrams per kilogram (mg/kg).

Soil boring with soil sample locations indicated

Approximate groundwater elevation

Monitoring well with soil sample locations indicated. Please note locations, MW1, MW1A, and MW2 were monitoring wells that have been destroyed or buried.

Approximate Vertical Graphic Scale in Feet: 0, 5, 10, 15

Approximate Horizontal Graphic Scale in Feet: 0, 10, 20, 30

Approximate extent of petroleum hydrocarbon-bearing soil with TPH concentrations greater than 1,000 mg/kg.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations are approximate.

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CROSS SECTION B-B' SHOWING GENERALIZED GEOLOGY

Former Air Resorts Airlines
2188 Palomar Airport Road
Carlsbad, California

Project No.: 11981630.06

Figure 12

Date Drafted: 4/19/11

APPENDICIES

Well Permit

PERMIT #LMON107340
A.P.N. #213-020-18
EST #H21741 RWQCB

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM

MONITORING WELL CONSTRUCTION PERMIT

SITE NAME: FORMER AIR RESORTS AIRLINES / PALOMAR AIRPORT

SITE ADDRESS: 2188 PALOMAR AIRPORT CARLSBAD CA 92008

PERMIT FOR: **SIX GROUNDWATER MONITORING WELLS**

PERMIT APPROVAL DATE: SEPTEMBER 7, 2010

PERMIT EXPIRES ON: JANUARY 5, 2011

RESPONSIBLE PARTY: TED VALLAS

PERMIT CONDITIONS:

1. Wells must have a **minimum 3-foot concrete surface seal**. The surface seal shall consist of concrete able to withstand the maximum anticipated load without cracking or deteriorating. The concrete should meet Class A specifications of a minimum 4000-pound compressive strength.

2. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, E- 4. (**http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html**). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

3. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

4. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 619) 338-2339.

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: Craig Bennett FOR JAMES CLAY DATE: 9.7.2010

NOTIFIED: _____

DEH: SAM-9075

Groundwater Purging and Sampling Forms

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123

Client:	Former Air Resorts	Project No:	11981630.06	Recorded By:
Site Address:	2188 Palomar Airport Rd Carlsbad, CA	Date:	10/4/2010	TW/CC

WELL MONITORING DATA

WELL NO.	DTB	DTW	DTP	PT	SWE	ELEV-W	ELEV-P
MW1B	44.55	26.69			321.61	294.92	
MW3	38.95	22.95			317.78	294.83	
MW4A	39.1	30.55			318.56	288.01	
MW5	40.35	23.56			321.20	297.64	
MW6	40.35	25.54			322.44	296.90	
MW7	37.6	27.26			318.88	291.62	
MW8	34.6	29.79			316.17	286.38	

NOTES

WELL NO. - Monitoring well number
DTW - Depth to water from datum
DTP - Depth to product from datum
PT - Product Thickness

DTB - Depth to bottom of well
SWE - Surveyed well elevation in feet
ELEV-W - Relative elevation of water
ELEV-P - Relative elevation of product

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WELL PURGING/SAMPLING LOG

Project Name: Air Resorts		Well No.: MW1B
Project Number: 11981630.06		Date: 10/4/10
Project Address: 2188 palomar airport Rd, Carlsbad CA		
Well GPS: Latitude:	Longitude:	
Sampled by: C. Crosby	Checked by: T. Wright	License #: PG 7972

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in.) (BD): 6 8 10 12 __*10*

Casing Diameter (in.) (CD): 2 4 6 8 __*4*

Total Well Depth (ft.) (WD): 44.55 | Product thickness (ft.): --

Static Water Level (ft.) (SWL): 26.69 | Time measured:

Water Column (ft.) (WC=WD-SWL): 17.86 | Filter Pack Porosity (P): 0.30

Borehole Volume (BV) Calculations

BV (gal) = 0.041 [CD^2 + P (BD^2-CD^2)](WC)

This equation applies to wells constructed straddling the water table only. For submerged screens, document all calculations. Porosity is expressed in decimal form. **BV** = 30.2 **gallons** 3BV = 90.51

PURGING & SAMPLING EQUIPMENT

Water Level Meter Type and ID: Heron OWIP

Purging Equipment/Method: Bladder Pump [ ] Bailer [ ] Centrifugal Pump [X] Other [ ]

pH/Temp/Conductivity Meter Type and ID: Horiba U-52

Sampler Type: [ ] Teflon Bailer [X] Disposable Bailer [ ] Bladder Pump [ ] Centrifugal Pump [ ] Other: _____

Decontamination Method: [ ] Steam/High Pressure Wash [X] 3 Stage (Alconox, tap water & DI rinse) [ ] Other: _____

PURGING AND SAMPLING METHODOLOGIES

Well Recovery Type

[ ] Fast -recovers 80% within 2 hours -Methods 1, 2, 3, & 5 [X] Slow - more than 2 hours to recover 80% -Methods 3, 4, & 5

PURGING METHODS

[ ] Method 1, remove 3 BV, sample after well recovers 80% of total purged drawdown.

[ ] Method 2, remove 1 BV, test parameters until stable per SAM Manual, sample after well recovers 80% of total purged drawdown.

[ ] Method 3, Low-flow - install pump at least 2 hours prior to start of purging. Follow detailed methodology in SAM Manual.

List the date and time the pump was installed: Date:_____ Time:_____

[X] Method 4, remove 1 BV, sample after 2 hours. Note - if well recovers 80% of total purged drawdown, use another method.

[ ] Method 5, non-purge method. Only with prior written approval from SAM

PURGING INFORMATION

Time (Start: 1315)	Water Level (feet below top of casing)	Drawdown (feet)	Water Volume Purged (gal)	Measured Parameters: Conductivity (µmhos)	Dissolved Oxygen	pH	Turbidity	Temp (°C)
1320	31.10	-4.41	2	29.4	2.75	5.81	44.9	20.22
1330	35.23	-8.54	18	26.0	2.35	6.28	23.9	21.05
1352	41.52	-14.83	27	28.4	3.25	8.61	10.6	20.09

Borehole Volume: 30.2 (gal) | Total Volume Purge Water: 27 (gal) | Average pumping rate: 0.7 (gpm)

RECOVERY CALCULATIONS

Recovery of 80% of drawdown from purging = SWL + (0.2)(Maximum Drawdown during purging) 29.66

SAMPLING INFORMATION

Date & Time Sampled: 10/4/10 4:00 pm | Depth to water at time of sampling (feet): 37.50

Quantity	Container Type	Filtered (Y/N)	Sample Preservatives	Analytical Methods to Perform
3	VOA	N	--	BTEX+OXY (8260B)
3	VOA	N	--	TPH 8015

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WELL PURGING/SAMPLING LOG

Project Name: Air Resorts		Well No.: MW3
Project Number: 11981630.06		Date: 10/4/10
Project Address: 2188 palomar airport Rd, Carlsbad CA		
Well GPS: Latitude:	Longitude:	
Sampled by: C. Crosby	Checked by: T. Wright	License #: PG 7972

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in.) (BD): 6 8 10 12 __*10*

Casing Diameter (in.) (CD): 2 4 6 8 __*4*

Total Well Depth (ft.) (WD): 38.95 | Product thickness (ft.): --

Static Water Level (ft.) (SWL): 22.95 | Time measured:

Water Column (ft.) (WC=WD-SWL): 16.00 | Filter Pack Porosity (P): 0.30

Borehole Volume (BV) Calculations

BV (gal) = 0.041 [CD^2 + P (BD^2-CD^2)](WC)

This equation applies to wells constructed straddling the water table only. For submerged screens, document all calculations. Porosity is expressed in decimal form. **BV** = 27.0 **gallons** 3BV = 81.08

PURGING & SAMPLING EQUIPMENT

Water Level Meter Type and ID: Heron OWIP

Purging Equipment/Method: Bladder Pump [ ] Bailer [ ] Centrifugal Pump [X] Other [ ]

pH/Temp/Conductivity Meter Type and ID: Horiba U-52

Sampler Type: [ ] Teflon Bailer [X] Disposable Bailer [ ] Bladder Pump [ ] Centrifugal Pump [ ] Other: _____

Decontamination Method: [ ] Steam/High Pressure Wash [X] 3 Stage (Alconox, tap water & DI rinse) [ ] Other: _____

PURGING AND SAMPLING METHODOLOGIES

Well Recovery Type

[ ] Fast -recovers 80% within 2 hours -Methods 1, 2, 3, & 5 [X] Slow - more than 2 hours to recover 80% -Methods 3, 4, & 5

PURGING METHODS

[ ] Method 1, remove 3 BV, sample after well recovers 80% of total purged drawdown.

[ ] Method 2, remove 1 BV, test parameters until stable per SAM Manual, sample after well recovers 80% of total purged drawdown.

[ ] Method 3, Low-flow - install pump at least 2 hours prior to start of purging. Follow detailed methodology in SAM Manual.

List the date and time the pump was installed: Date:_____ Time:_____

[X] Method 4, remove 1 BV, sample after 2 hours. Note - if well recovers 80% of total purged drawdown, use another method.

[ ] Method 5, non-purge method. Only with prior written approval from SAM

PURGING INFORMATION

Time (Start: 1440)	Water Level (feet below top of casing)	Drawdown (feet)	Water Volume Purged (gal)	Measured Parameters: Conductivity (µmhos)	Dissolved Oxygen	pH	Turbidity	Temp (°C)
1445	32.50	-9.55	10	10.2	6.59	6.89	170	20.95
1449	36.50	-13.55	20	14.8	2.13	6.29	308	20.95
1455	37.00	-14.05	30	14.2	7.55	6.07	354	20.93

Borehole Volume: 27.0 (gal) | Total Volume Purge Water: 30 (gal) | Average pumping rate: 2 (gpm)

RECOVERY CALCULATIONS

Recovery of 80% of drawdown from purging = SWL + (0.2)(Maximum Drawdown during purging) 25.76

SAMPLING INFORMATION

Date & Time Sampled: 10/4/10 4:55 pm | Depth to water at time of sampling (feet): 33.41

Quantity	Container Type	Filtered (Y/N)	Sample Preservatives	Analytical Methods to Perform
3	VOA	N	--	BTEX+OXY (8260B)
3	VOA	N	--	TPH 8015

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WELL PURGING/SAMPLING LOG

Project Name: Air Resorts		Well No.: MW4A
Project Number: 11981630.06		Date: 10/4/10
Project Address: 2188 palomar airport Rd, Carlsbad CA		
Well GPS: Latitude:	Longitude:	
Sampled by: C. Crosby	Checked by: T. Wright	License #: PG 7972

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in.) (BD): 6 8 10 12 __ **8**	
Casing Diameter (in.) (CD): 2 4 6 8 __ **2**	
Total Well Depth (ft.) (WD): 39.1	Product thickness (ft.): --
Static Water Level (ft.) (SWL): 30.55	Time measured:
Water Column (ft.) (WC=WD-SWL): 8.55	Filter Pack Porosity (P): 0.30

Borehole Volume (BV) Calculations

BV (gal) = 0.041 [CD^2 + P (BD^2-CD^2)](WC)

This equation applies to wells constructed straddling the water table only. For submerged screens, document all calculations. Porosity is expressed in decimal form. **BV** = 7.7 **gallons** 3BV = 23.14

PURGING & SAMPLING EQUIPMENT

Water Level Meter Type and ID: Heron OWIP

Purging Equipment/Method: Bladder Pump [ ] Bailer [ ] Centrifugal Pump [x] Other [ ]

pH/Temp/Conductivity Meter Type and ID: Horiba U-52

Sampler Type: [ ] Teflon Bailer [x] Disposable Bailer [ ] Bladder Pump [ ] Centrifugal Pump [ ] Other: _____

Decontamination Method: [ ] Steam/High Pressure Wash [x] 3 Stage (Alconox, tap water & DI rinse) [ ] Other: _____

PURGING AND SAMPLING METHODOLOGIES

Well Recovery Type

[ ] Fast -recovers 80% within 2 hours -Methods 1, 2, 3, & 5 [x] Slow - more than 2 hours to recover 80% -Methods 3, 4, & 5

PURGING METHODS

[ ] Method 1, remove 3 BV, sample after well recovers 80% of total purged drawdown.

[ ] Method 2, remove 1 BV, test parameters until stable per SAM Manual, sample after well recovers 80% of total purged drawdown.

[ ] Method 3, Low-flow - install pump at least 2 hours prior to start of purging. Follow detailed methodology in SAM Manual.

List the date and time the pump was installed: Date:_____ Time:_____

[x] Method 4, remove 1 BV, sample after 2 hours. Note - if well recovers 80% of total purged drawdown, use another method.

[ ] Method 5, non-purge method. Only with prior written approval from SAM

PURGING INFORMATION

Time (Start: 1020)	Water Level (feet below top of casing)	Drawdown (feet)	Water Volume Purged (gal)	Measured Parameters: Conductivity (µmhos)	Dissolved Oxygen	pH	Turbidity	Temp (°C)
1115	38.35	-7.80	6	22	3.72	6.93	20.6	20.68

Borehole Volume: 7.7 (gal) Total Volume Purge Water: 6 (gal) Average pumping rate: 0.1 (gpm)

RECOVERY CALCULATIONS

Recovery of 80% of drawdown from purging = SWL + (0.2)(Maximum Drawdown during purging) 32.11

SAMPLING INFORMATION

Date & Time Sampled: 10/4/10 4:55 pm Depth to water at time of sampling (feet): 35.27

Quantity	Container Type	Filtered (Y/N)	Sample Preservatives	Analytical Methods to Perform
3	VOA	N	--	BTEX+OXY (8260B)
3	VOA	N	--	TPH 8015

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WELL PURGING/SAMPLING LOG

Project Name: Air Resorts		Well No.: MW5
Project Number: 11981630.06		Date: 10/4/10
Project Address: 2188 palomar airport Rd, Carlsbad CA		
Well GPS: Latitude:	Longitude:	
Sampled by: C. Crosby	Checked by: T. Wright	License #: PG 7972

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in.) (BD): 6 8 10 12 __ ***8***	
Casing Diameter (in.) (CD): 2 4 6 8 __ ***2***	
Total Well Depth (ft.) (WD): 40.35	Product thickness (ft.): --
Static Water Level (ft.) (SWL): 23.56	Time measured:
Water Column (ft.) (WC=WD-SWL): 16.79	Filter Pack Porosity (P): 0.30

Borehole Volume (BV) Calculations

BV (gal) = 0.041 [CD^2 + P (BD^2-CD^2)](WC)

This equation applies to wells constructed straddling the water table only. For submerged screens, document all calculations. Porosity is expressed in decimal form. **BV** = 15.1 **gallons** 3BV = 45.43

PURGING & SAMPLING EQUIPMENT

Water Level Meter Type and ID: Heron OWIP

Purging Equipment/Method: Bladder Pump [ ] Bailer [ ] Centrifugal Pump [X] Other [ ]

pH/Temp/Conductivity Meter Type and ID: Horiba U-52

Sampler Type: [ ] Teflon Bailer [X] Disposable Bailer [ ] Bladder Pump [ ] Centrifugal Pump [ ] Other: _____

Decontamination Method: [ ] Steam/High Pressure Wash [X] 3 Stage (Alconox, tap water & DI rinse) [ ] Other: _____

PURGING AND SAMPLING METHODOLOGIES

Well Recovery Type

[ ] Fast -recovers 80% within 2 hours -Methods 1, 2, 3, & 5 [X] Slow - more than 2 hours to recover 80% -Methods 3, 4, & 5

PURGING METHODS

[ ] Method 1, remove 3 BV, sample after well recovers 80% of total purged drawdown.

[ ] Method 2, remove 1 BV, test parameters until stable per SAM Manual, sample after well recovers 80% of total purged drawdown.

[ ] Method 3, Low-flow - install pump at least 2 hours prior to start of purging. Follow detailed methodology in SAM Manual.

List the date and time the pump was installed: Date:_____ Time:_____

[X] Method 4, remove 1 BV, sample after 2 hours. Note - if well recovers 80% of total purged drawdown, use another method.

[ ] Method 5, non-purge method. Only with prior written approval from SAM

PURGING INFORMATION

Time (Start: 1310)	Water Level (feet below top of casing)	Drawdown (feet)	Water Volume Purged (gal)	Measured Parameters: Conductivity (µmhos)	Dissolved Oxygen	pH	Turbidity	Temp (°C)
1400	38.67	-15.11	13	28.4	2.51	6.71	289	19.96

Borehole Volume: 15.1 (gal) Total Volume Purge Water: 13 (gal) Average pumping rate: 0.3 (gpm)

RECOVERY CALCULATIONS

Recovery of 80% of drawdown from purging = SWL + (0.2)(Maximum Drawdown during purging) 26.58

SAMPLING INFORMATION

Date & Time Sampled: 10/4/10 4:10 pm Depth to water at time of sampling (feet): 29.00

Quantity	Container Type	Filtered (Y/N)	Sample Preservatives	Analytical Methods to Perform
3	VOA	N	--	BTEX+OXY (8260B)
3	VOA	N	--	TPH 8015

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WELL PURGING/SAMPLING LOG

Project Name: Air Resorts		Well No.: MW6
Project Number: 11981630.06		Date: 10/4/10
Project Address: 2188 palomar airport Rd, Carlsbad CA		
Well GPS: Latitude:	Longitude:	
Sampled by: C. Crosby	Checked by: T. Wright	License #: PG 7972

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in.) (BD): 6 8 10 12 __ **8**

Casing Diameter (in.) (CD): 2 4 6 8 __ **2**

Total Well Depth (ft.) (WD): 40.35 | Product thickness (ft.): --

Static Water Level (ft.) (SWL): 25.54 | Time measured:

Water Column (ft.) (WC=WD-SWL): 14.81 | Filter Pack Porosity (P): 0.30

Borehole Volume (BV) Calculations

BV (gal) = 0.041 [CD^2 + P (BD^2-CD^2)](WC)

This equation applies to wells constructed straddling the water table only. For submerged screens, document all calculations. Porosity is expressed in decimal form. **BV** = 13.4 **gallons** 3BV = 40.08

PURGING & SAMPLING EQUIPMENT

Water Level Meter Type and ID: Heron OWIP

Purging Equipment/Method: Bladder Pump ☐ Bailer ☐ Centrifugal Pump ☒ Other ☐

pH/Temp/Conductivity Meter Type and ID: Horiba U-52

Sampler Type: ☐ Teflon Bailer ☒ Disposable Bailer ☐ Bladder Pump ☐ Centrifugal Pump ☐ Other: _____

Decontamination Method: ☐ Steam/High Pressure Wash ☒ 3 Stage (Alconox, tap water & DI rinse) ☐ Other: _____

PURGING AND SAMPLING METHODOLOGIES

Well Recovery Type

☐ Fast -recovers 80% within 2 hours -Methods 1, 2, 3, & 5 ☒ Slow - more than 2 hours to recover 80% -Methods 3, 4, & 5

PURGING METHODS

☐ Method 1, remove 3 BV, sample after well recovers 80% of total purged drawdown.

☐ Method 2, remove 1 BV, test parameters until stable per SAM Manual, sample after well recovers 80% of total purged drawdown.

☐ Method 3, Low-flow - install pump at least 2 hours prior to start of purging. Follow detailed methodology in SAM Manual.

List the date and time the pump was installed: Date:_____ Time:_____

☒ Method 4, remove 1 BV, sample after 2 hours. Note - if well recovers 80% of total purged drawdown, use another method.

☐ Method 5, non-purge method. Only with prior written approval from SAM

PURGING INFORMATION

Time (Start: 1345)	Water Level (feet below top of casing)	Drawdown (feet)	Water Volume Purged (gal)	Measured Parameters: Conductivity (µmhos)	Dissolved Oxygen	pH	Turbidity	Temp (°C)
1100	34.75	-9.21	6	21.25	1.75	5.98	789	21.40
1425	37.45	-11.91	13	23.4	1.80	6.25	550	21.58

Borehole Volume: 13.4 (gal) | Total Volume Purge Water: 13 (gal) | Average pumping rate: 0.3 (gpm)

RECOVERY CALCULATIONS

Recovery of 80% of drawdown from purging = SWL + (0.2)(Maximum Drawdown during purging) 27.92

SAMPLING INFORMATION

Date & Time Sampled: 10/4/10 4:28 pm | Depth to water at time of sampling (feet): 37.45

Quantity	Container Type	Filtered (Y/N)	Sample Preservatives	Analytical Methods to Perform
3	VOA	N	--	BTEX+OXY (8260B)
3	VOA	N	--	TPH 8015

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

WELL PURGING/SAMPLING LOG

Project Name: Air Resorts		Well No.: MW7
Project Number: 11981630.06		Date: 10/4/10
Project Address: 2188 palomar airport Rd, Carlsbad CA		
Well GPS: Latitude:	Longitude:	
Sampled by: C. Crosby	Checked by: T. Wright	License #: PG 7972

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in.) (BD): 6 8 10 12 __ ***8***	
Casing Diameter (in.) (CD): 2 4 6 8 __ ***2***	
Total Well Depth (ft.) (WD): 37.6	Product thickness (ft.): --
Static Water Level (ft.) (SWL): 27.26	Time measured:
Water Column (ft.) (WC=WD-SWL): 10.34	Filter Pack Porosity (P): 0.30

Borehole Volume (BV) Calculations

BV (gal) = 0.041 [CD^2 + P (BD^2-CD^2)](WC)

This equation applies to wells constructed straddling the water table only. For submerged screens, document all calculations. Porosity is expressed in decimal form. **BV** = 9.3 **gallons** 3BV = 27.98

PURGING & SAMPLING EQUIPMENT

Water Level Meter Type and ID: Heron OWIP

Purging Equipment/Method: Bladder Pump [ ] Bailer [ ] Centrifugal Pump [x] Other [ ]

pH/Temp/Conductivity Meter Type and ID: Horiba U-52

Sampler Type: [ ] Teflon Bailer [x] Disposable Bailer [ ] Bladder Pump [ ] Centrifugal Pump [ ] Other: _____

Decontamination Method: [ ] Steam/High Pressure Wash [x] 3 Stage (Alconox, tap water & DI rinse) [ ] Other: _____

PURGING AND SAMPLING METHODOLOGIES

Well Recovery Type

[ ] Fast -recovers 80% within 2 hours -Methods 1, 2, 3, & 5 [x] Slow - more than 2 hours to recover 80% -Methods 3, 4, & 5

PURGING METHODS

[ ] Method 1, remove 3 BV, sample after well recovers 80% of total purged drawdown.

[ ] Method 2, remove 1 BV, test parameters until stable per SAM Manual, sample after well recovers 80% of total purged drawdown.

[ ] Method 3, Low-flow - install pump at least 2 hours prior to start of purging. Follow detailed methodology in SAM Manual.

List the date and time the pump was installed: Date:_____ Time:_____

[x] Method 4, remove 1 BV, sample after 2 hours. Note - if well recovers 80% of total purged drawdown, use another method.

[ ] Method 5, non-purge method. Only with prior written approval from SAM

PURGING INFORMATION

Time (Start: 1020)	Water Level (feet below top of casing)	Drawdown (feet)	Water Volume Purged (gal)	Measured Parameters: Conductivity (µmhos)	Dissolved Oxygen	pH	Turbidity	Temp (°C)
1036	31.00	-3.74	3	25	5.19	6.95	999	19.91
1041	34.50	-7.24	5.5	14.8	5.91	6.85	999	19.99
1047	34.50	-7.24	8.5	14.2	5.71	6.89	999	19.86

Borehole Volume: 9.3 (gal) Total Volume Purge Water: 9 (gal) Average pumping rate: 0.3 (gpm)

RECOVERY CALCULATIONS

Recovery of 80% of drawdown from purging = SWL + (0.2)(Maximum Drawdown during purging) 28.71

SAMPLING INFORMATION

Date & Time Sampled: 10/4/10 2:45 pm Depth to water at time of sampling (feet): 31.84

Quantity	Container Type	Filtered (Y/N)	Sample Preservatives	Analytical Methods to Perform
3	VOA	N	--	BTEX+OXY (8260B)
3	VOA	N	--	TPH 8015

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

WELL PURGING/SAMPLING LOG

Project Name: Air Resorts		Well No.: MW8
Project Number: 11981630.06		Date: 10/4/10
Project Address: 2188 palomar airport Rd, Carlsbad CA		
Well GPS: Latitude:	Longitude:	
Sampled by: C. Crosby	Checked by: T. Wright	License #: PG 7972

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in.) (BD): 6 8 10 12 __ ***8***	
Casing Diameter (in.) (CD): 2 4 6 8 __ ***2***	
Total Well Depth (ft.) (WD): 34.6	Product thickness (ft.): --
Static Water Level (ft.) (SWL): 29.79	Time measured:
Water Column (ft.) (WC=WD-SWL): 4.81	Filter Pack Porosity (P): 0.30

Borehole Volume (BV) Calculations

BV (gal) = 0.041 [CD^2 + P (BD^2-CD^2)](WC)

This equation applies to wells constructed straddling the water table only. For submerged screens, document all calculations. Porosity is expressed in decimal form. **BV** = 4.3 **gallons** 3BV = 13.02

PURGING & SAMPLING EQUIPMENT

Water Level Meter Type and ID: Heron OWIP

Purging Equipment/Method: Bladder Pump ☐ Bailer ☐ Centrifugal Pump ☒ Other ☐

pH/Temp/Conductivity Meter Type and ID: Horiba U-52

Sampler Type: ☐ Teflon Bailer ☒ Disposable Bailer ☐ Bladder Pump ☐ Centrifugal Pump ☐ Other: _____

Decontamination Method: ☐ Steam/High Pressure Wash ☒ 3 Stage (Alconox, tap water & DI rinse) ☐ Other: _____

PURGING AND SAMPLING METHODOLOGIES

Well Recovery Type

☐ Fast -recovers 80% within 2 hours -Methods 1, 2, 3, & 5 ☒ Slow - more than 2 hours to recover 80% -Methods 3, 4, & 5

PURGING METHODS

☐ Method 1, remove 3 BV, sample after well recovers 80% of total purged drawdown.

☐ Method 2, remove 1 BV, test parameters until stable per SAM Manual, sample after well recovers 80% of total purged drawdown.

☐ Method 3, Low-flow - install pump at least 2 hours prior to start of purging. Follow detailed methodology in SAM Manual.

List the date and time the pump was installed: Date:_____ Time:_____

☒ Method 4, remove 1 BV, sample after 2 hours. Note - if well recovers 80% of total purged drawdown, use another method.

☐ Method 5, non-purge method. Only with prior written approval from SAM

PURGING INFORMATION

Time (Start: 1130)	Water Level (feet below top of casing)	Drawdown (feet)	Water Volume Purged (gal)	Measured Parameters: Conductivity (µmhos)	Dissolved Oxygen	pH	Turbidity	Temp (°C)
1140	32.30	-2.51	4.5	23.3	2.12	5.83	121	21.58
1151	33.88	-4.09	6.5	23.4	1.94	5.87	47.2	21.09

Borehole Volume: 4.3 (gal) Total Volume Purge Water: 6.5 (gal) Average pumping rate: 0.3 (gpm)

RECOVERY CALCULATIONS

Recovery of 80% of drawdown from purging = SWL + (0.2)(Maximum Drawdown during purging) 30.61

SAMPLING INFORMATION

Date & Time Sampled: 10/4/10 2:20 pm Depth to water at time of sampling (feet): 30.60

Quantity	Container Type	Filtered (Y/N)	Sample Preservatives	Analytical Methods to Perform
3	VOA	N	--	BTEX+OXY (8260B)
3	VOA	N	--	TPH 8015

Boring Logs

SCS ENGINEERS

WELL LOG

Number: MW1B

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Former Air Resorts

Job No: 11981630.06

Sheet: 1 of 1

SCS Representative: Sean Roy

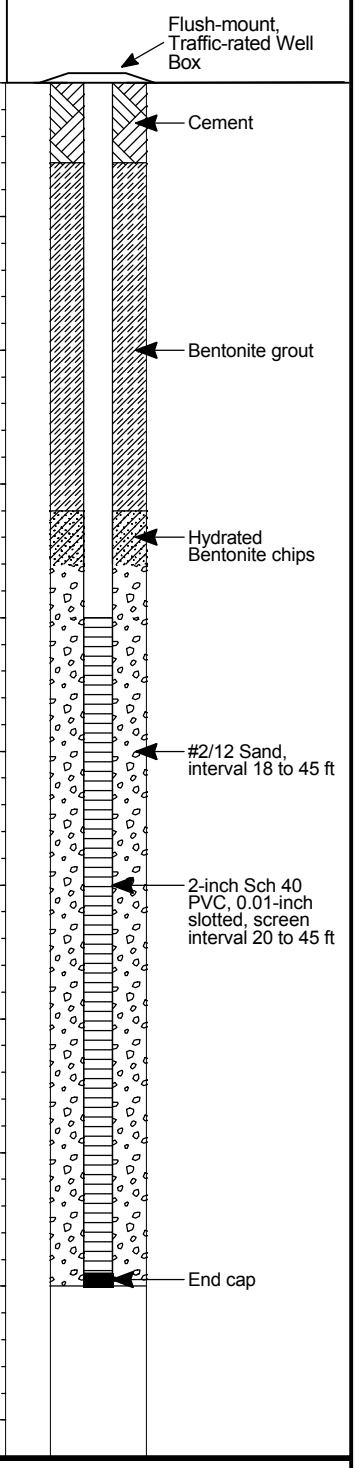
Location: 2188 Palomar Airport Road, Carlsbad, CA

Drilling Company: Baja Exploration

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Lat.:	Long:	Elev:
9/22/10	5/4/11	Hollow Stem Auger / Split Spoon Sampler	33.125823703	117.277190984	321.61
			Borehole Dia.: 10.25"	Casing Dia.: 2"	Total Depth: 45.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0				1.4		GW		Concrete, 16-inches thick. FILL: Road base material, 3/4-inch gravel, asphalt and fine-grained sand, loose, no odor.
5		MW1B-5	16 20 8	1.4	<0.5/54.6 /172			
10		MW1B-10	13 16 7	15.3	0.995/<10 /<50	SP		FILL: Dark gray (5Y 4/1), fine-grained SAND, loose, no odor.
15		MW1B-15	15 18 18	196	110/4720 /<250			FILL: Dark gray (5Y 4/1), fine-grained SAND, loose, moist, hydrocarbon odor.
20		No recovery	20 30 36	478				SANTIAGO FORMATION: Light gray (5 Y 7/2), very fine- to fine-grained CLAYEY SAND, reddish-orange mottling (oxidation), slightly moist, medium dense, hydrocarbon odor.
25		MW1B-25	19 28 33	839	139/419 /<50	SC		Same.
30		MW1B-30	18 26 32	1119	12600/311 /<50			Light gray (5 Y 7/2), very fine- to fine-grained SAND, red-orange-yellow mottling (oxidation), slightly moist, hydrocarbon odor.
35		MW1B-35	18 24 50	1245	1450/<10 /<50			Same.
40		MW1B-40	19 26 35	111	<10/<10 /<50	SP		Same.
45		MW1B-45	24 50	66	<10/<10 /<50			Same. Boring terminated at 45 feet below grade. Groundwater not encountered during drilling.
50								

Completion Detail



Logged By: Sean Roy Title: Project Professional Date: 9/22/10

Reviewed By: Tom Wright License No: P.G. 7972 Date: 12/10/10

SD_BORING_LOG AIR RESORTS WELL LOGS.GPJ GINT STD US.GDT 5/4/11

SCS ENGINEERS

WELL LOG

Number: MW4A

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Former Air Resorts

Job No: 11981630.06

Sheet: 1 of 1

SCS Representative: Sean Roy

Location: 2188 Palomar Airport Road, Carlsbad, CA

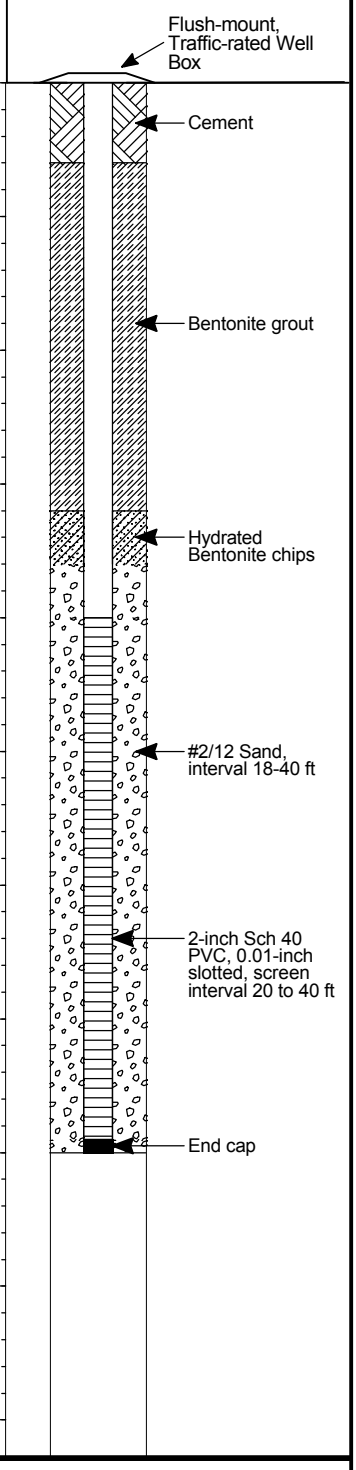
Drilling Company: Baja Exploration

Lat.:	Long:	Elev:
33.125466715	117.276986299	318.56

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Borehole Dia.:	Casing Dia:	Total Depth:
9/20/10	5/4/11	Hollow Stem Auger / Split Spoon Sampler	8.25"	2"	40.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0						GW		Asphalt, 6-inches thick. FILL: Aggregate base. 3/4-inch gravel, sand.
5		MW4A-5	7 8 9	2.9		SM		FILL: Tan to white, very fine-grained SILTY SAND, non -plastic fines, dry, loose, no odor.
10		MW4A-10	7 14 24	3.8		SP		SANTIAGO FORMATION: Yellowish-red (5 YR 5/6) to light gray (5 Y 7/2), very fine- to fine-grained SAND, reddish-orange mottling (oxidation), slightly moist, medium dense, no odor.
15		MW4A-15	6 8 19	3.4		SC		Yellowish-red (5 YR 5/6), very fine- to fine-grained CLAYEY SAND, reacts with HCL, dry, reddish-orange mottling (oxidation), no odor.
20		MW4A-20	7 12 23	3.6				Yellowish-red (5 YR 5/6) to light gray (5 Y 7/2), very fine- to fine-grained SAND, orange to white mottling (oxidation), laminated, 1/4'inhc gypsum seams, slightly moist, medium dense, no odor.
25		MW4A-25	10 18 21	8.3		SP		Same, 1/2-inch thick gypsum, no odor.
30		MW4A-30	7 50	NA				Same, no odor.
35		MW4A-35	28 50	4.0				Same.
40		MW4A-40	32 50	4.3				Same. Boring terminated at 40 feet below grade. Groundwater not encountered during drilling.
45								
50								

Completion Detail



Logged By: Sean Roy Title: Project Professional Date: 9/20/10

Reviewed By: Tom Wright License No: P.G. 7972 Date: 12/10/10

SD_BORING_LOG AIR RESORTS WELL LOGS.GPJ GINT STD US.GDT 5/4/11

SCS ENGINEERS

WELL LOG

Number: MW5

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Former Air Resorts

Job No: 11981630.06

Sheet: 1 of 1

SCS Representative: Sean Roy

Location: 2188 Palomar Airport Road, Carlsbad, CA

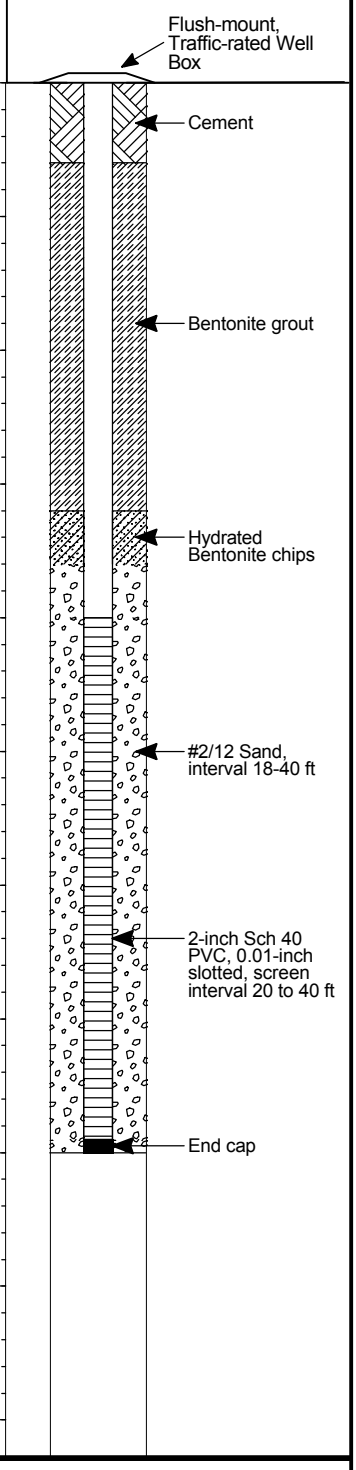
Drilling Company: Baja Exploration

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Lat.:	Long:	Elev:
9/21/10	5/4/11	Hollow Stem Auger / Split Spoon Sampler	33.1259471	117.277188091	321.20

Borehole Dia.:	Casing Dia:	Total Depth:
8.25"	2"	40.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0								Asphalt, 6-inches thick.
			0.0			SC		FILL: Dark grayish-brown (10YR 4/2), SANDY CLAY, debris (wood, asphalt, plant material), moist, dense, no odor.
5		MW5-5	9 14 23	2.6				SANTIAGO FORMATION: Yellowish-red (5 YR 5/6) to light gray (5 Y 7/2), very fine- to fine-grained SAND, reddish-orange mottling (oxidation), slightly moist, loose to medium dense, no odor.
10		MW5-10	11 11 13	3.1		SP		Yellowish-brown (10YR 5/6) to light gray (5 Y 7/2), very fine- to fine-grained SAND, reddish-orange mottling (oxidation), slightly moist, loose to medium dense, no odor.
15		MW5-15	15 26 29	3.3				Light gray (5 Y 7/2), very fine- to fine-grained SAND, reddish-orange mottling (oxidation), slightly moist, loose to medium dense, no odor.
20		MW5-20	29 33 38	4.0	<0.5/<10 /<50	SC		Light gray (5 Y 7/2), very fine-grained CLAYEY SAND, reddish-orange mottling (oxidation), dry, dense, no odor.
25		MW5-25	20 24 32	8.3				Light gray (5 Y 7/2), very fine- to fine-grained SAND, yellowish mottling (oxidation), slightly moist, medium dense, no odor.
30		MW5-30	19 26 33	6.6		SP		Same.
35		MW5-35	19 29 34	6.2				Same, with 1/2-inch thick caliche laminae.
40		MW5-40	20 26 36	5.3				Same. Boring terminated at 40 feet below grade. Groundwater not encountered during drilling.
45								
50								

Completion Detail



Logged By: Sean Roy Title: Project Professional Date: 9/21/10

Reviewed By: Tom Wright License No: P.G. 7972 Date: 12/10/10

SD_BORING_LOG AIR RESORTS WELL LOGS.GPJ GINT STD US.GDT 5/4/11

SCS ENGINEERS

WELL LOG

Number: MW6

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Former Air Resorts

Job No: 11981630.06

Sheet: 1 of 1

SCS Representative: Sean Roy

Location: 2188 Palomar Airport Road, Carlsbad, CA

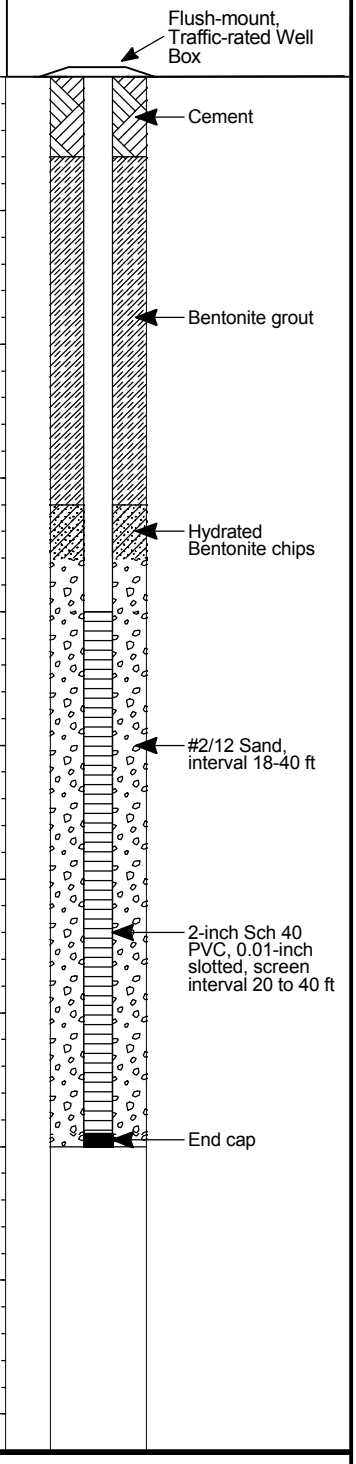
Drilling Company: Baja Exploration

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Lat.:	Long:	Elev:
9/22/10	5/4/11	Hollow Stem Auger / Split Spoon Sampler	33.125853435	117.277108912	322.44

Borehole Dia.:	Casing Dia:	Total Depth:
8.25"	2"	40.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0						GW		Concrete, 16-inches thick.
								FILL: Road base, dark gray (5Y 4/1), fine-grained SAND with gravel, slightly moist, loose, no odor.
5								
		MW6-8	1 2 2	28.8				Dark gray (5Y 4/1), fine-grained SAND, slightly moist, loose, hydrocarbon odor.
10		MW6-10	1 2 2	66				
						SP		
15		MW6-15	1 2 2	42				Same.
20		MW6-20	8 8 24	182	<0.5/<10 /<50			
						SC		SANTIAGO FORMATION: Light gray (5 Y 7/2), very fine- to fine-grained CLAYEY SAND, reddish-orange mottling (oxidation), slightly moist, medium dense, hydrocarbon odor.
25		MW6-25	16 26 34	7.9				Light gray (5 Y 7/2), very fine- to fine-grained SAND, red-orange-yellow mottling (oxidation), slightly moist, no odor.
30		MW6-30	18 26 35	1" "353		SP		Same, with yellow mottling, hydrocarbon odor.
35		MW6-35	18 24 38	974				Same, with reddish-orange mottling, hydrocarbon odor.
40		MW6-40	38 50	29.7				Same, no mottling, 1/2-inch thick gypsum, slight odor.
								Boring terminated at 40 feet below grade. Groundwater not encountered during drilling.
45								
50								

Completion Detail



Logged By: Sean Roy Title: Project Professional Date: 9/22/10

Reviewed By: Tom Wright License No: P.G. 7972 Date: 12/10/10

SD_BORING_LOG AIR RESORTS WELL LOGS.GPJ GINT STD US.GDT 5/4/11

SCS ENGINEERS

WELL LOG

Number: MW7

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Former Air Resorts

Job No: 11981630.06

Sheet: 1 of 1

SCS Representative: Sean Roy

Location: 2188 Palomar Airport Road, Carlsbad, CA

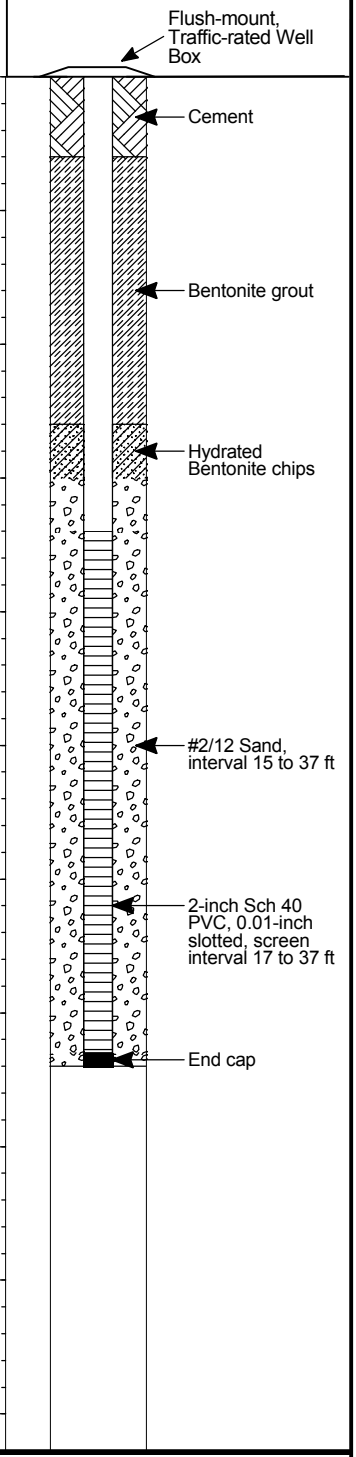
Drilling Company: Baja Exploration

Lat.:	Long:	Elev:
33.12552104	117.276764297	318.88

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Borehole Dia.:	Casing Dia:	Total Depth:
9/21/10	5/4/11	Hollow Stem Auger / Split Spoon Sampler	8.25"	2"	37.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0				0.0		SC		FILL: Dark yellowish-brown (10 YR 4/6), fine-grained CLAYEY SAND, slightly moist, loose, no odor.
5		MW7-5	7 8 13	2.7		SP		Yellowish-red (5 YR 5/6) to light gray (5 Y 7/2), very fine- to fine-grained SAND, reddish-orange mottling (oxidation), slightly moist, loose, no odor.
10		MW7-10	50-6"	1.7		SC		Dark yellowish-brown (10 YR 4/6), fine-grained CLAYEY SAND, trace fine gravel, slightly moist, lightly cemented in places, dense, no odor.
15		MW7-15	8 22 28	2.5				Yellowish-red (5 YR 5/6), fine-grained SAND, some oxidation, slightly moist, medium dense, no odor.
20		MW7-20	9 12 13	2.8				Light gray (5 Y 7/2), very fine- to fine-grained SAND, reddish-orange mottling (oxidation), slightly moist, loose, no odor.
25		MW7-25	13 24 38	2.4		SP		Same, 1/4-inch thick gypsum layer at 25.5 feet below grade.
30		MW7-30	16 29 34	2.5	<0.5/<10 /<50			Same, with thin caliche lamina.
35		MW7-35	33 50	2.7				Light gray (5 Y 7/2) to yellowish-red (5 YR 5/6), very fine- to fine-grained SAND, increased mottling (oxidation), occasional thin <1/4-inch gypsum, laminated, slightly moist, medium dense, no odor.
		MW7-37	35 50	2.3				Same.
40								Boring terminated at 37 feet below grade. Groundwater not encountered during drilling.
45								
50								

Completion Detail



Logged By: Sean Roy Title: Project Professional Date: 9/21/10

Reviewed By: Tom Wright License No: P.G. 7972 Date: 12/10/10

SD_BORING_LOG AIR RESORTS WELL LOGS.GPJ GINT STD US.GDT 5/4/11

SCS ENGINEERS

WELL LOG

Number: MW8

8799 Balboa Avenue, Suite 290
San Diego, California 92123-1568

Client: Former Air Resorts

Job No: 11981630.06

Sheet: 1 of 1

SCS Representative: Sean Roy

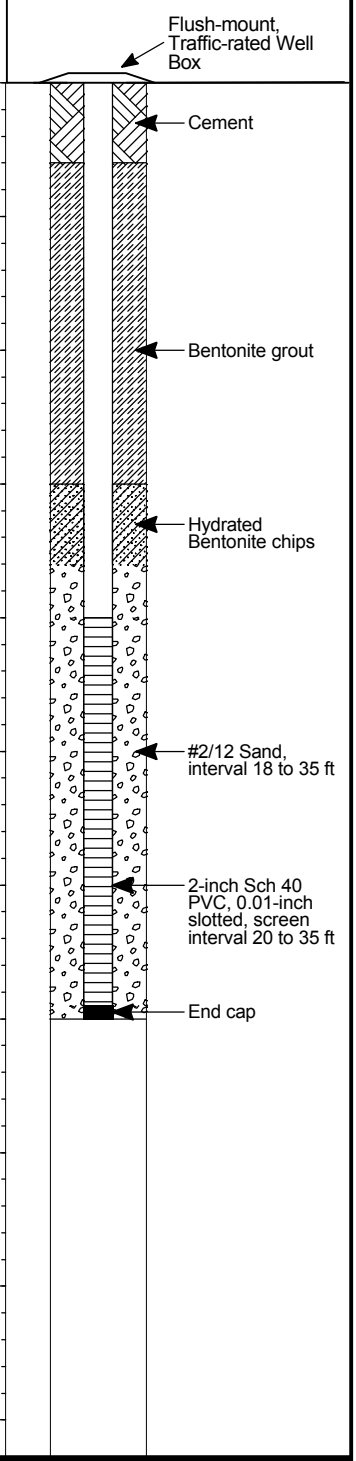
Location: 2188 Palomar Airport Road, Carlsbad, CA

Drilling Company: Baja Exploration

Date Drilled:	Date Drafted:	Drilling / Sampling Method	Lat.:	Long:	Elev:
9/20/10	5/4/11	Hollow Stem Auger / Split Spoon Sampler	33.125283258	117.276970341	316.17
			Borehole Dia.: 8.25"	Casing Dia: 2"	Total Depth: 35.0

Depth (feet)	Sample Interval	Sample Number	Blow Counts	PID (ppm)	Lab Results gas/diesel/oil (mg/kg)	USCS Soil Class.	Graphic Log	Description (Formation, soil type, grain, minor soil component, moisture, density, odor, etc.)
0						GW		Asphalt, 6-inches thick. Road base.
5		MW8-5	13 26 40	6.0		SM		SANTIAGO FORMATION: Yellowish-red (5 YR 5/6), very fine- to fine-grained SILTY SAND, dry, medium dense, no odor.
10		MW8-10	18 50	6.7				Light gray (5 Y 7/2) SILTY SAND, fine-grained, trace gravel, slightly cemented, dense, no odor.
15		MW8-15	14 28 50	8.0				Light gray (5 Y 7/2), very fine-grained SAND with yellowish-red (5 YR 5/6) mottling (oxidation), slight increase in clay, dry, medium dense, no odor.
20		MW8-20	19 20 21	8.2		SP		Same.
25		MW8-25	11 25 20	8.4				Same.
30		MW8-30	9 22 50	9.3	<0.5/<10 /<50	SC		Light gray (5 Y 7/2), very fine- to fine-grained CLAYEY SAND with 1/4-inch thick gypsum and yellowish-red (5 YR 5/6) mottling (oxidation), dry, medium dense, no odor.
35		MW8-35		7.8		SP		Light gray (5 Y 7/2), very fine- to fine-grained SAND, no mottling, dry, dense, no odor. Boring terminated at 35 feet below grade. Groundwater not encountered during drilling.
40								
45								
50								

Completion Detail



Logged By: Sean Roy Title: Project Professional Date: 9/20/10

Reviewed By: Tom Wright License No: P.G. 7972 Date: 12/10/10

SD_BORING_LOG AIR RESORTS WELL LOGS.GPJ GINT STD US.GDT 5/4/11

Well Completion Logs

MONITORING WELL CONSTRUCTION DETAILS

FLUSH MOUNT WELL

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123

PROJECT NUMBER: 11981630.06

BORING/WELL NUMBER: MW1B

SITE: 2188 Palomar Airport Rd

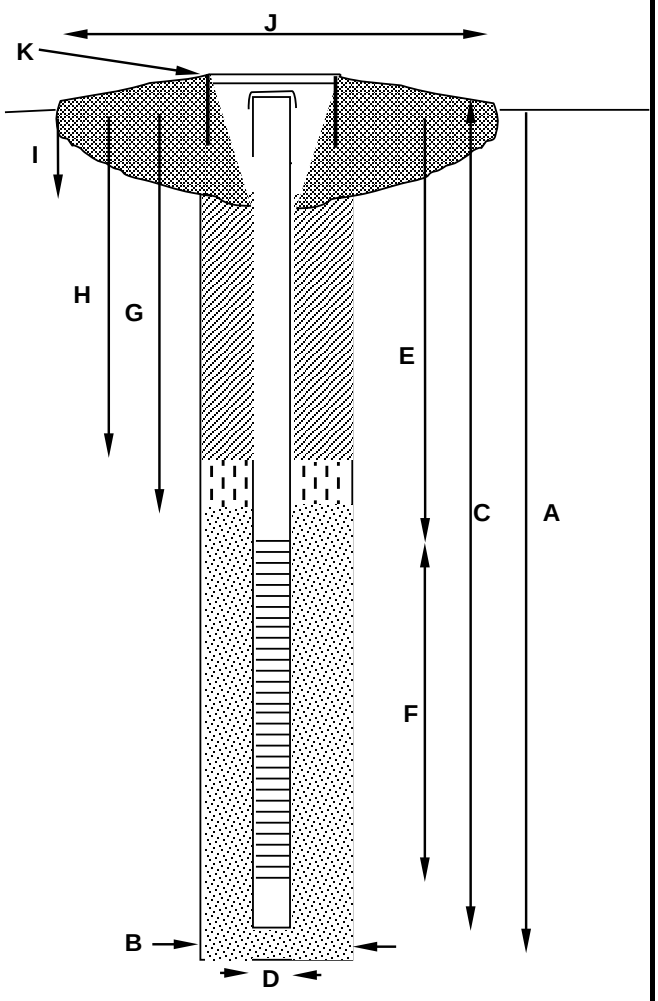
CLIENT: Ted Vallas

COUNTY & PERMIT #: San Diego LMON107340

DATE OF INSTALLATION: September 22, 2010

DRILLER: Baja Exploration

PREPARED BY: Sean Roy



CONSTRUCTION DETAILS

Surface Elevation	321.88
Top of Casing Elevation	321.61
A. Total Depth	45'
B. Boring Diameter	10"
C. Casing Length	15'
Casing Material	SCH 40 PVC
D. Casing Diameter	4"
E. Depth to Top of Screen	20'
F. Screen Length	25'
Screen (slot) Size	0.01"
G. Depth to top of Filter Pack	18'
Filter Pack Material	2/12 sand
H. Depth to top of Seal	3'
Seal Material	Hydrated bentonite chips
I. Depth to Top of Fill Material	3'
Annular Fill Material	Bentonite Grout
J. Surface Seal Dimensions	18" x 18"
Radial or Square or Other	Radial
Surface Seal Material	Concrete
K. Type and Size of Protective Casing:	Emco 12"

Notes:
Bentonite grout to 3 ft below grade (3 bags of grout); 2 bags of bentonite chips, and 22 bags of sand (22 cu. ft.), 9 bags of concrete used in well box completion.

Prepared by:	Date:	Reviewed by:	Date:
Sean Roy	9/22/2010	Tom Wright	12/27/2010

F:\Projects\98\1601 to 1650\98E1630 (Ted Vallas)\11981630.06 (2188 Palomar Airport Rd)\SSC5 - 6 Additional Wells (2009)\well completion rpts\11981630.06.MW1b.WellCompletion.xlsx

MONITORING WELL CONSTRUCTION DETAILS

FLUSH MOUNT WELL

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123

PROJECT NUMBER: 11981630.06

BORING/WELL NUMBER: MW4A

SITE: 2188 Palomar Airport Rd

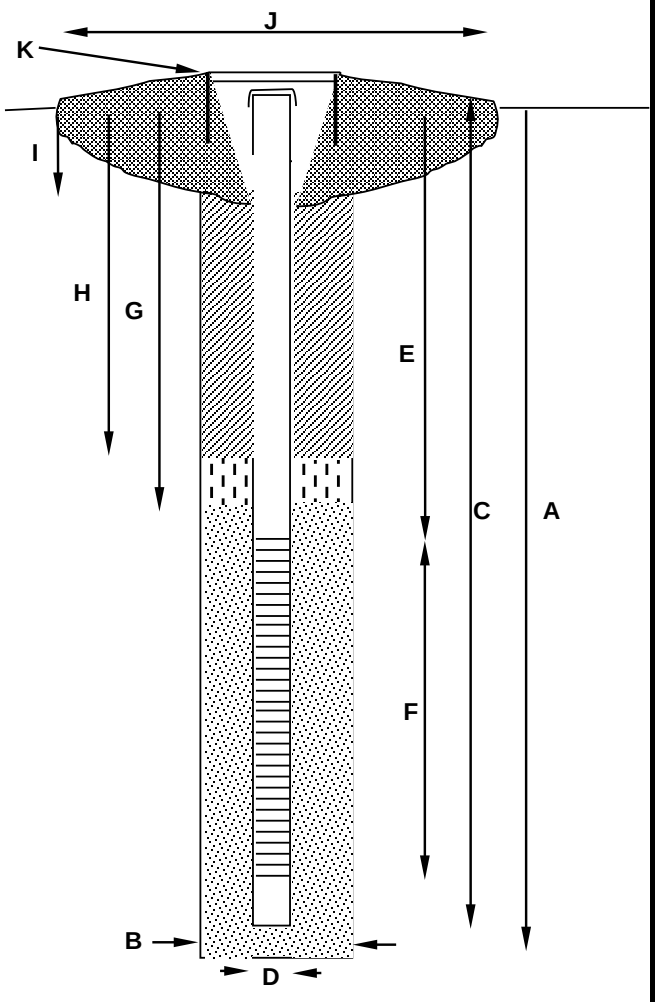
CLIENT: Ted Vallas

COUNTY & PERMIT #: San Diego LMON107340

DATE OF INSTALLATION: September 20, 2010

DRILLER: Baja Exploration

PREPARED BY: Sean Roy



CONSTRUCTION DETAILS

Surface Elevation	318.92
Top of Casing Elevation	318.56
A. Total Depth	40'
B. Boring Diameter	8"
C. Casing Length	20'
Casing Material	SCH 40 PVC
D. Casing Diameter	2"
E. Depth to Top of Screen	20'
F. Screen Length	20'
Screen (slot) Size	0.01"
G. Depth to top of Filter Pack	18'
Filter Pack Material	2/12 sand
H. Depth to top of Seal	3'
Seal Material	Hydrated bentonite chips
I. Depth to Top of Fill Material	3'
Annular Fill Material	Bentonite Grout
J. Surface Seal Dimensions	3' x 3'
Radial or Square or Other	Radial
Surface Seal Material	Concrete
K. Type and Size of Protective Casing:	Emco 12"

Notes:
Bentonite grout to 3 ft below grade (2 bags of grout); 2 bags of bentonite chips, and 8 bags of sand (8 cu. ft.), 9 bags of concrete used in well box completion.

Prepared by:	Date:	Reviewed by:	Date:
Sean Roy	9/20/2010	Tom Wright	12/27/2010

F:\Projects\98\1601 to 1650\98E1630 (Ted Vallas)\11981630.06 (2188 Palomar Airport Rd)\SSC5 - 6 Additional Wells (2009)\well completion rpts\11981630.06.MW4A.WellCompletion.xlsx

MONITORING WELL CONSTRUCTION DETAILS

FLUSH MOUNT WELL

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123

PROJECT NUMBER: 11981630.06

BORING/WELL NUMBER: MW5

SITE: 2188 Palomar Airport Rd

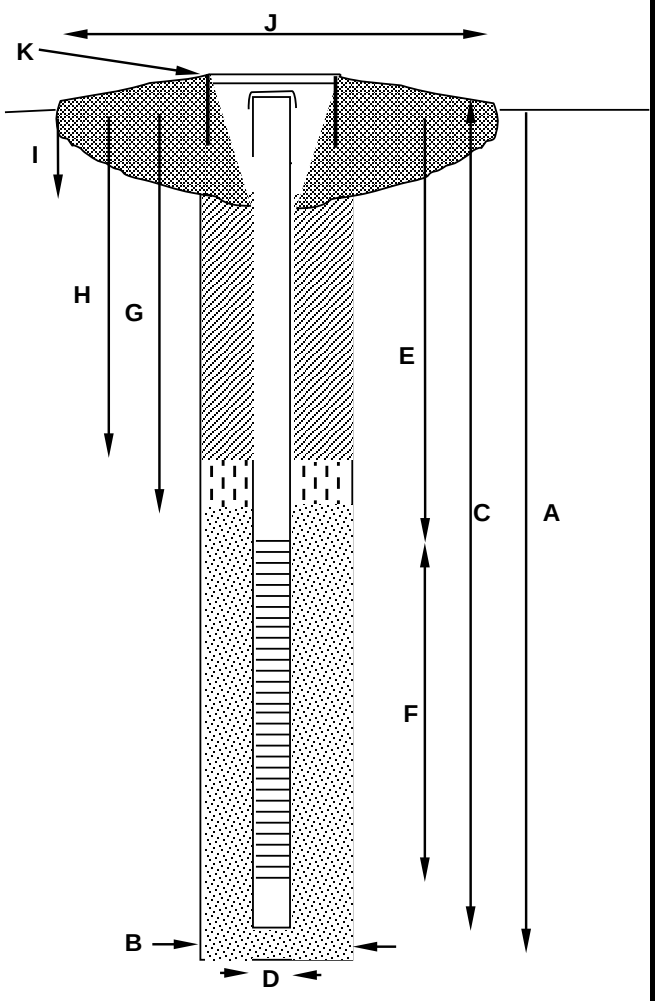
CLIENT: Ted Vallas

COUNTY & PERMIT #: San Diego LMON107340

DATE OF INSTALLATION: September 21, 2010

DRILLER: Baja Exploration

PREPARED BY: Sean Roy



CONSTRUCTION DETAILS

Surface Elevation	321.61
Top of Casing Elevation	321.2
A. Total Depth	40'
B. Boring Diameter	8"
C. Casing Length	20'
Casing Material	SCH 40 PVC
D. Casing Diameter	2"
E. Depth to Top of Screen	20'
F. Screen Length	20'
Screen (slot) Size	0.01"
G. Depth to top of Filter Pack	18'
Filter Pack Material	2/12 sand
H. Depth to top of Seal	3'
Seal Material	Hydrated bentonite chips
I. Depth to Top of Fill Material	3'
Annular Fill Material	Bentonite Grout
J. Surface Seal Dimensions	3' x 3'
Radial or Square or Other	Radial
Surface Seal Material	Concrete
K. Type and Size of Protective Casing:	Emco 12"

Notes:
Bentonite grout to 3 ft below grade (2 bags of grout); 2 bags of bentonite chips, and 9 bags of sand (9 cu. ft.), 9 bags of concrete used in well box completion.

Prepared by:	Date:	Reviewed by:	Date:
Sean Roy	9/21/2010	Tom Wright	12/27/2010

F:\Projects\98\1601 to 1650\98E1630 (Ted Vallas)\11981630.06 (2188 Palomar Airport Rd)\SSC5 - 6 Additional Wells (2009)\well completion rpts\11981630.06.MW5.WellCompletion.xlsx

MONITORING WELL CONSTRUCTION DETAILS

FLUSH MOUNT WELL

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123

PROJECT NUMBER: 11981630.06

BORING/WELL NUMBER: MW6

SITE: 2188 Palomar Airport Rd

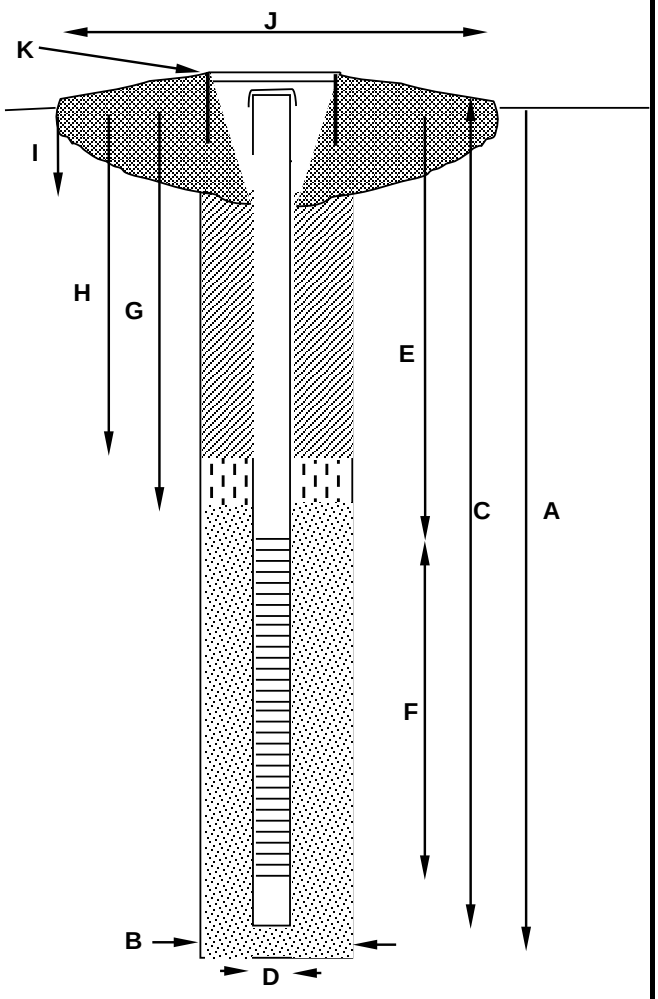
CLIENT: Ted Vallas

COUNTY & PERMIT #: San Diego LMON107340

DATE OF INSTALLATION: September 22, 2010

DRILLER: Baja Exploration

PREPARED BY: Sean Roy



CONSTRUCTION DETAILS

Surface Elevation	322.89
Top of Casing Elevation	322.44
A. Total Depth	40'
B. Boring Diameter	8"
C. Casing Length	20'
Casing Material	SCH 40 PVC
D. Casing Diameter	2"
E. Depth to Top of Screen	20'
F. Screen Length	20'
Screen (slot) Size	0.01"
G. Depth to top of Filter Pack	18'
Filter Pack Material	2/12 sand
H. Depth to top of Seal	3'
Seal Material	Hydrated bentonite chips
I. Depth to Top of Fill Material	3'
Annular Fill Material	Bentonite Grout
J. Surface Seal Dimensions	18" x 18"
Radial or Square or Other	Radial
Surface Seal Material	Concrete
K. Type and Size of Protective Casing:	Emco 12"

Notes:
Bentonite grout to 3 ft below grade (2 bags of grout); 1.5 bags of bentonite chips, and 8 bags of sand (8 cu. ft.), 9 bags of concrete used in well box completion.

Prepared by:	Date:	Reviewed by:	Date:
Sean Roy	9/22/2010	Tom Wright	12/27/2010

F:\Projects\98\1601 to 1650\98E1630 (Ted Vallas)\11981630.06 (2188 Palomar Airport Rd)\SSC5 - 6 Additional Wells (2009)\well completion rpts\11981630.06.MW6.WellCompletion.xlsx

MONITORING WELL CONSTRUCTION DETAILS

FLUSH MOUNT WELL

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123

PROJECT NUMBER: 11981630.06

BORING/WELL NUMBER: MW7

SITE: 2188 Palomar Airport Rd

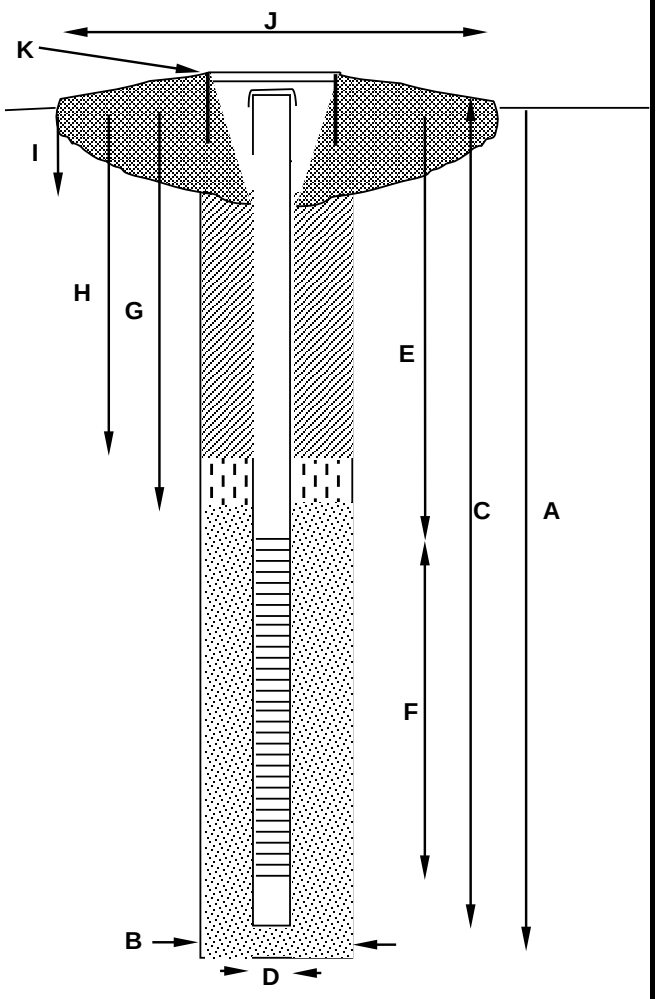
CLIENT: Ted Vallas

COUNTY & PERMIT #: San Diego LMON107340

DATE OF INSTALLATION: September 21, 2010

DRILLER: Baja Exploration

PREPARED BY: Sean Roy



CONSTRUCTION DETAILS

Surface Elevation	319.33
Top of Casing Elevation	318.88
A. Total Depth	37'
B. Boring Diameter	8"
C. Casing Length	20'
Casing Material	SCH 40 PVC
D. Casing Diameter	2"
E. Depth to Top of Screen	17'
F. Screen Length	20'
Screen (slot) Size	0.01"
G. Depth to top of Filter Pack	15'
Filter Pack Material	2/12 sand
H. Depth to top of Seal	3'
Seal Material	Hydrated bentonite chips
I. Depth to Top of Fill Material	3'
Annular Fill Material	Bentonite Grout
J. Surface Seal Dimensions	3' x 3'
Radial or Square or Other	Radial
Surface Seal Material	Concrete
K. Type and Size of Protective Casing:	Emco 12"

Notes:
Bentonite grout to 3 ft below grade (2 bags of grout); 1.5 bags of bentonite chips, and 8 bags of sand (8 cu. ft.), 9 bags of concrete used in well box completion.

Prepared by:	Date:	Reviewed by:	Date:
Sean Roy	9/21/2010	Tom Wright	12/27/2010

F:\Projects\98\1601 to 1650\98E1630 (Ted Vallas)\11981630.06 (2188 Palomar Airport Rd)\SSC5 - 6 Additional Wells (2009)\well completion rpts\11981630.06.MW7.WellCompletion.xlsx

MONITORING WELL CONSTRUCTION DETAILS

FLUSH MOUNT WELL

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California 92123

PROJECT NUMBER: 11981630.06

BORING/WELL NUMBER: MW8

SITE: 2188 Palomar Airport Rd

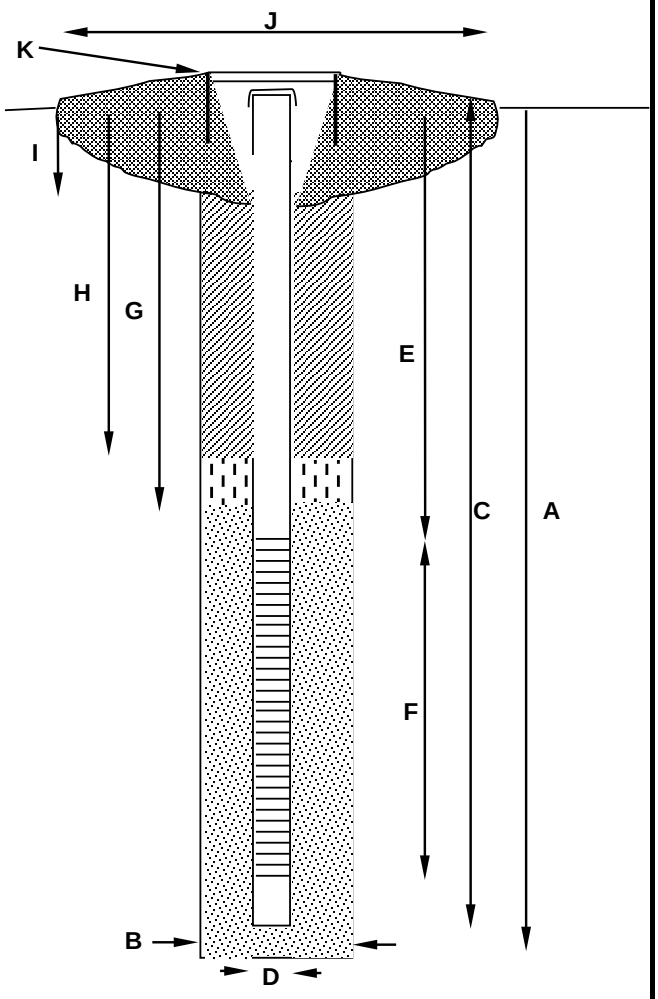
CLIENT: Ted Vallas

COUNTY & PERMIT #: San Diego LMON107340

DATE OF INSTALLATION: September 20, 2010

DRILLER: Baja Exploration

PREPARED BY: Sean Roy



CONSTRUCTION DETAILS

Surface Elevation	319.33
Top of Casing Elevation	316.17
A. Total Depth	35'
B. Boring Diameter	8"
C. Casing Length	20'
Casing Material	SCH 40 PVC
D. Casing Diameter	2"
E. Depth to Top of Screen	20'
F. Screen Length	15'
Screen (slot) Size	0.01"
G. Depth to top of Filter Pack	18'
Filter Pack Material	2/12 sand
H. Depth to top of Seal	3'
Seal Material	Hydrated bentonite chips
I. Depth to Top of Fill Material	3'
Annular Fill Material	Bentonite Grout
J. Surface Seal Dimensions	3' x 3'
Radial or Square or Other	Radial
Surface Seal Material	Concrete
K. Type and Size of Protective Casing:	Emco 12"

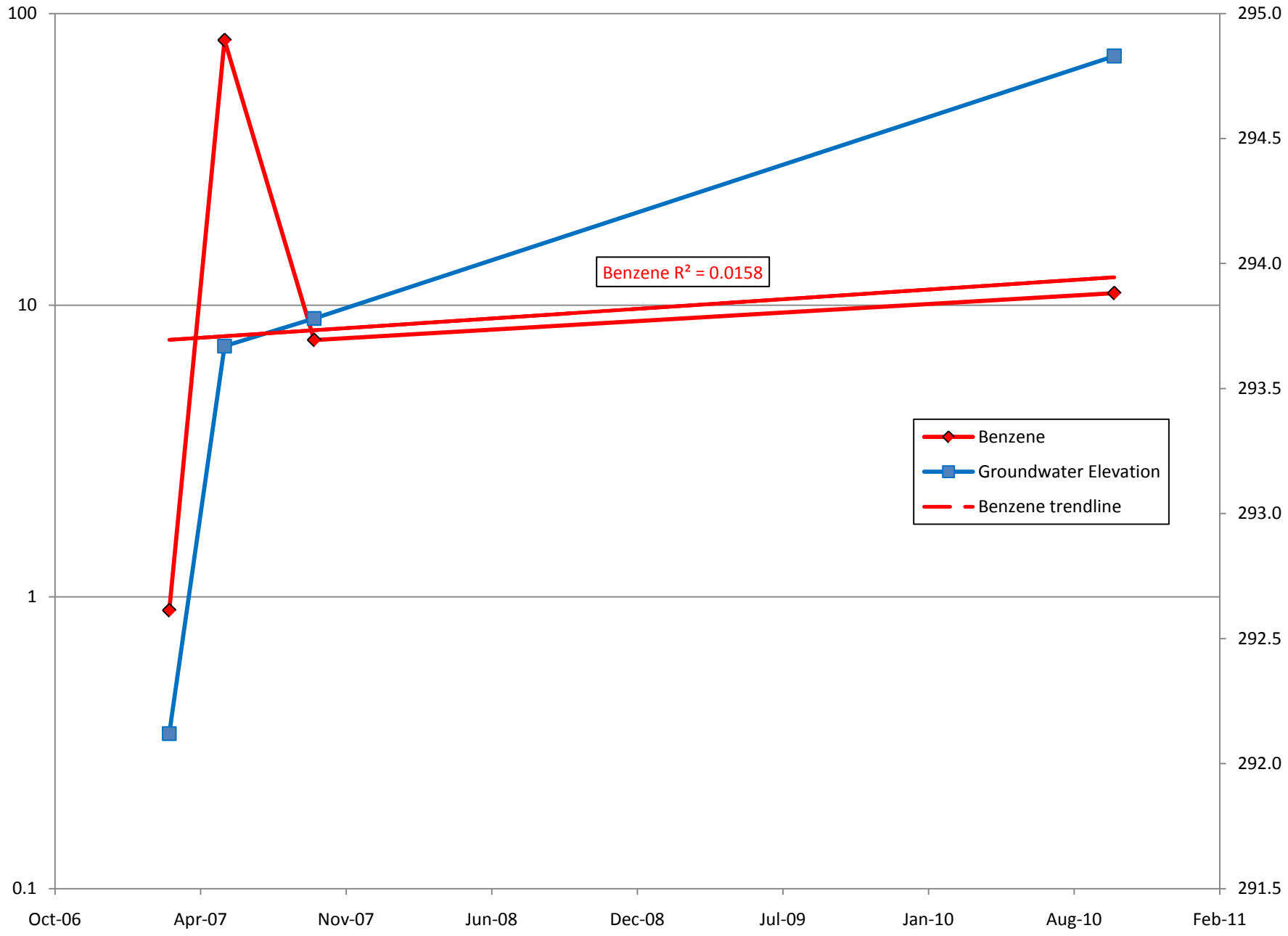
Notes:
Bentonite grout to 3 ft below grade (2 bags of grout); 1.5 bags of bentonite chips, and 7 bags of sand (7 cu. ft.), 9 bags of concrete used in well box completion.

Prepared by:	Date:	Reviewed by:	Date:
Sean Roy	9/20/2010	Tom Wright	12/27/2010

F:\Projects\98\1601 to 1650\98E1630 (Ted Vallas)\11981630.06 (2188 Palomar Airport Rd)\SSC5 - 6 Additional Wells (2009)\well completion rpts\11981630.06.MW8.WellCompletion.xlsx

Hydrograph

MW3 - Groundwater Elevation and Benzene Concentrations vs. Time
Former Air Resorts - 2188 Palomar Airport Rd, Carlsbad, California



SCS ENGINEERS

Analytical Data and Chain-of-Custody Documentation

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone (858)571-5500
Attn Tom Wright

Number of Pages 3
Date Received 09/22/2010
Date Reported 10/08/2010

Job Number	Ordered	Client
47241	10/01/2010	SCS

Project ID: 11981630.06
Project Name: Former Air Resorts
Site: 2188 Palomar Resort Road
Carlsbad, CA

Enclosed are the results of analyses on 1 sample analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC Additional Request

Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Page 4 of 5

NEW JOB # 47241

COC# No **54846** GLOBAL ID T0607302335 E REPORT: ☒ PDF ☑ EDF ☐ EDD ASL JOB# 47145

Company: SCS		Report To: TW	
Address:	Project Name: Former Air Results	Address:	
	Site Address: 2165 Palomar Airport Rd	Invoice To: TW	
Telephone: / Fax:	Carlsbad, CA	Address:	
Special Instruction:	Project ID: 11981630.06		
E-mail:	Project Manager: Tom Wright	P.O.#: 11981630.06	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH g + BTEX (GHS Light)	BTEX/Oxygenates (8260B)	New I.D.	Remarks
5	258326	MW1B-5	9/22/10	7:45	1	6-inch Sleeve	Soil	None	X			Soil Sample
6	258327	MW1B-10		7:54	1				X			
7	258328	MW1B-15		8:10	1				X			
		MW1B-20		8:20	1				X			
8	258329	MW1B-25		8:28	1				X			
9	258330	MW1B-30		8:38	1				X	X	258759	
10	258331	MW1B 35		8:48	1				X			
11	258332	MW1B-40		8:58	1				X			
12	258333	MW1B-45	↓	9:14	1	↓	↓	↓	X			
13												

CHAIN OF CUSTODY RECORD

Collected By: Sean Roy	Date 9/22/10	Time 1700	Relinquished By: Sean Roy	Date 9/22/10	Time 1700
Relinquished By:	Date	Time	Received For Laboratory Janet Chin	Date 9/23/10	Time 9:00
Received By:	Date	Time	Condition of Sample: Additional Requested Date: 10-1-10 Due Date: 10-8-10		

TAT ☒ Normal ☐ Rush

White - Report Yellow - Laboratory Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Tom Wright

Site

2188 Palomar Resort Road
Carlsbad, CA

Page: **2**

Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47241	09/22/2010	SCS

Method: 8260B, BTEX and Oxygenates

QC Batch No: S-100110-1B

Our Lab I.D.		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		**09/23/2010**				
Preparation Method		**5030A**				
Date Analyzed		**10/01/2010**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Benzene	**2.00**	**ND**				
DIPE	**5.00**	**ND**				
ETBE	**5.00**	**ND**				
Ethylbenzene	**2.00**	**ND**				
MTBE	**5.00**	**ND**				
TAME	**5.00**	**ND**				
TBA	**20.0**	**ND**				
Toluene (Methyl benzene)	**2.00**	**ND**				
o-Xylene	**2.00**	**ND**				
m- & p-Xylenes	**4.00**	**ND**				
Naphthalene	**10.0**	**ND**				

Our Lab I.D.						
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**91**				
Dibromofluoromethane	**70-120**	**99**				
Toluene-d8	**70-120**	**92**				

QUALITY CONTROL REPORT

QC Batch No: S-100110-1B

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	**50.00**	**39.50**	**79**	**50.00**	**40.00**	**80**	**1.3**	**75-120**	**15**	
MTBE	**50.00**	**59.00**	**118**	**50.00**	**56.00**	**112**	**5.2**	**75-120**	**15**	
Toluene (Methyl benzene)	**50.00**	**45.50**	**91**	**50.00**	**44.00**	**88**	**3.4**	**75-120**	**15**	

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Tom Wright

Site

2188 Palomar Resort Road
Carlsbad, CA

Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47241	09/22/2010	SCS

Method: 8260B, BTEX and Oxygenates

QC Batch No: S-100110-1B

Our Lab I.D.		**258759**				
Client Sample I.D.		MW1B-30				
Date Sampled		**09/22/2010**				
Date Prepared		**09/23/2010**				
Preparation Method		**5030A**				
Date Analyzed		**10/01/2010**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		500				
Analytes	**PQL**	**Results**				
Benzene	**1000**	**22100**				
DIPE	**2500**	**ND**				
ETBE	**2500**	**ND**				
Ethylbenzene	**1000**	**31600**				
MTBE	**2500**	**ND**				
TAME	**2500**	**ND**				
TBA	**10000**	**ND**				
Toluene (Methyl benzene)	**1000**	**780000**				
o-Xylene	**1000**	**54500**				
m- & p-Xylenes	**2000**	**110000**				
Naphthalene	**5000**	**ND**				

Our Lab I.D.		**258759**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**90**				
Dibromofluoromethane	**70-120**	**101**				
Toluene-d8	**70-120**	**94**				

QUALITY CONTROL REPORT

QC Batch No: S-100110-1B Sample Spiked: A258691

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	**50.00**	**39.50**	**79**	**50.00**	**40.00**	**80**	**1.3**	**75-120**	**15**	
MTBE	**50.00**	**59.00**	**118**	**50.00**	**56.00**	**112**	**5.2**	**75-120**	**15**	
Toluene (Methyl benzene)	**50.00**	**45.50**	**91**	**50.00**	**44.00**	**88**	**3.4**	**75-120**	**15**	

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

SCS Engineers
8799 Balboa Avenue, Suite 290
San Diego, CA 92123-

Telephone (858)571-5500
Attn Tom Wright

Number of Pages 15
Date Received 09/23/2010
Date Reported 09/30/2010

Job Number	Ordered	Client
47145	09/23/2010	SCS

Project ID: 11981630.06
Project Name: Former Air Resorts
Site: 2188 Palomar Airport Road
Carlsbad, CA

Enclosed are the results of analyses on 13 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

CHAIN OF CUSTODY RECORD

COC# No. **54843** GLOBAL ID T0607302335 E REPORT: ☒ PDF ☒ EDF ☐ EDD ASL JOB# 47145

Company: SCS Engineers		Report To: Tom Wright	
Address: 8799 Balboa Ave. #290	Project Name: Former A.F. Results	Address:	
San Diego, CA 92123	Site Address: 2168 Palomar Airport Rd.	Invoice To: TW	
Telephone: 858.571.5500 Fax:	Carlsbad, CA	Address:	
Special Instruction:	Project ID: 11981630.06		
E-mail:	Project Manager: Tom Wright	P.O.#: 11981630.06	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH 8+Oil (8015M)	BTEX+OX/Gasoline (8260B)	Remarks
1	258322	MW4A-30	9/20/10	10:40	1	6-inch sleeve	Soil	None	X	X	Run BTEX+OXY gasoline by 5035
		MW4A-40	9/20/10	10:50	1						
		MW8-5		13:45	1						
		MW8-10		13:55	1						
		MW8-15		14:03	1						
		MW8-20		14:10	1						
		MW8-25		14:20	1						
2	258323	MW9-30		14:30	1				X	X	
		MW8-35		14:45	1						
					1						

ANALYSIS REQUESTED

Collected By: Sean Roy	Date 9/20/10	Time 1700	Relinquished By: Sean Roy	Date 9/22/10	Time 1700	TAT ☒ Normal ☐ Rush
Relinquished By:	Date	Time	Received For Laboratory Janet Chen	Date 9/23/10	Time 9:00	
Received By:	Date	Time	Condition of Sample:			

White - Report Yellow - Laboratory Pink - Client

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CHAIN OF CUSTODY RECORD

COC# No **54844** GLOBAL ID T0607302335 E REPORT: ☒ PDF ☑ EDF ☐ EDD ASL JOB# 99145

Company: SCS Engineers		Report To: TW	
Address:	Project Name: Former Air Results	Address:	
	Site Address: 2188 Palomar Airport Rd.	Invoice To: TW	
Telephone: 858.571.5500 Fax:	Carlsbad, CA	Address:	
Special Instruction:	Project ID: 11981630.06		
E-mail:	Project Manager: Tom Wright	P.O.#: 11981630.06	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH g+d (DHS LUFT)	BTEX + Oxygenates (8260B)	Remarks
		MW7-5	9/21/10	7:45	1	6-inch sleeve	Soil	None			
		MW7-10	↓	8:00	1	↓	↓	↓			
		MW7-15		8:05	1						
		MW7-20		8:10	1						
		MW7-25		8:50	1						
3	258324	MW7-30		9:00	1				X	X	
		MW7-35		9:10	1						
		MW7-37		9:20	1	↓	↓	↓			Run BTEX + oxygenates on soil sample w/ the highest PID

Collected By: Sean Roy	Date 9/21/10 Time 1700	Relinquished By: Sean Roy	Date 9/22/10 Time 1700
Relinquished By:	Date Time	Received For Laboratory Janet Chin	Date 9/23/10 Time 9:00
Received By:	Date Time	Condition of Sample:	

TAT ☒ Normal ☐ Rush

White - Report Yellow - Laboratory Pink - Client

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COC# № **54845** GLOBAL ID T0607302335 E REPORT: ☒ PDF ☒ EDF ☐ EDD ASL JOB# 47145

Company: SCS		Report To: TW	
Address:	Project Name: Former Air Resorts	Address:	
	Site Address: 2188 Palomar Airport Rd.	Invoice To: TW	
Telephone: / Fax:	Carlsbad, CA	Address:	
Special Instruction:	Project ID: 11981630.06		
E-mail:	Project Manager: Tom Wright	P.O.#: 11981630.06	

ANALYSIS REQUESTED: TPH 5 ml (DHS Limit); BTEX/Oxygenates (8260B)

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH 5 ml (DHS Limit)	BTEX/Oxygenates (8260B)	Remarks
		MW5-5	9/21/10	12:15	1	6-inch sleeve	Soil	None			Run BTEX/Oxy on 1st 4 soil samples w/ H. Must
		MW5-10		12:22	1						
		MW5-15		12:28	1						
		MW5-20		12:35	1						
1	258325	MW5-25		12:42	1				X	X	
		MW5-30		12:50	1						
		MW5-35		13:15	1						
		MW5-40		13:25	1						

Collected By: Sean Roy	Date 9/21/10 Time 1700	Relinquished By: Sean Roy	Date 9/22/10 Time 1700
Relinquished By:	Date Time	Received For Laboratory Janet Chin	Date 9/23/10 Time 9:00
Received By:	Date Time	Condition of Sample:	

TAT: ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White Report Yellow Laboratory Pink Client

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CHAIN OF CUSTODY RECORD

COC# No **54846** GLOBAL ID T0607302335 E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 47145

Company: SCS		Report To: TW	
Address:	Project Name: Former Air Results	Address:	
	Site Address: 2166 Palomar Airport Rd	Invoice To: TW	
Telephone: / Fax:	Carlsbad, CA	Address:	
Special Instruction:	Project ID: 11981630.06		
E-mail:	Project Manager: Tom Wright	P.O.#: 11981630.06	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH g & HFL	TPH d (DHS LUFT)	BTEX/Oxygenates (8260B)	Remarks
5	258326	MW1B-5	9/22/10	7:45	1	6-inch Sleeve	Soil	None	X			5 soil samples
6	258327	MW1B-10		7:54	1				X			
7	258328	MW1B-15		8:10	1				X			
		MW1B-20		8:20	1				X			
8	258329	MW1B-25		8:28	1				X			
9	258330	MW1B-30		8:38	1				X			
10	258331	MW1B-35		8:48	1				X			
11	258332	MW1B-40		8:58	1				X			
12	258333	MW1B-45		9:14	1				X			Run BTEX/OXY, TPH g, TPH d on MW1B-45

Collected By: Sean Roy	Date 9/22/10	Time 1700	Relinquished By: Sean Roy	Date 9/22/10	Time 1700
Relinquished By:	Date	Time	Received For Laboratory Jonet Chin	Date 9/23/10	Time 9:00
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report Yellow - Laboratory Pink - Client

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COC# № 54847 GLOBAL ID T0607302335 E REPORT: ☒ PDF ☒ EDF ☐ EDD ASL JOB# 47145

Company: SCS		Report To: TW	
Address:	Project Name: Former Air Resorts	Address:	
	Site Address: 2188 Palomar Airport Rd	Invoice To: TW	
Telephone: Fax:	Carlsbad, CA	Address:	
Special Instruction:	Project ID: 11981630.06		
E-mail:	Project Manager: Tom Wright	P.O.#: 11981630.06	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	TPH g+d (DHS LUFT)	BTEX/Oxygenates (8260B)	Remarks
		MW6-8	9/22/10	10:25	1	6-inch sleeve	Soil	None			~~Run BTEX/Oxy on soil~~ Sample with the highest TPH
		MW6-10	↓	10:28	1	↓	↓	↓			
		MW6-15	↓	10:33	1	↓	↓	↓			
		MW6-20	↓	10:42	1	↓	↓	↓			
13	258334	MW6-25	↓	10:46	1	↓	↓	↓	X	X	
		MW6-30	↓	10:55	1	↓	↓	↓			
		MW6-35	↓	11:00	1	↓	↓	↓			
		MW6-40	↓	11:10	1	↓	↓	↓			

Collected By: Sean Roy	Date 9/22/10	Time 1700	Relinquished By: Sean Roy	Date 9/22/10	Time 1700
Relinquished By:	Date	Time	Received For Laboratory Janet Chin	Date 9/23/10	Time 9:00
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report Yellow - Laboratory Pink - Client

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ANALYTICAL RESULTS

Ordered By

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Telephone: (858)571-5500
Attn: Tom Wright

Site

2188 Palomar Airport Road
Carlsbad, CA

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S-092310-1D

Our Lab I.D.		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		**09/23/2010**				
Preparation Method		**3550B**				
Date Analyzed		**09/23/2010**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH DROs (C10 to C28)	**10.0**	**ND**				
TPH OROs (C28+)	**50.0**	**ND**				

Our Lab I.D.						
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	**70-120**	**92**				

QUALITY CONTROL REPORT

QC Batch No: S-092310-1D

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Diesel	**10.00**	**11.40**	**114**	**10.00**	**11.10**	**111**	**2.7**	**75-120**	**<20**	

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ANALYTICAL RESULTS

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S-092310-1D

Our Lab I.D.		258322	258323	258324	258325	258329
Client Sample I.D.		MW4A-30	MW8-30	MW7-30	MW5-25	MW1B-25
Date Sampled		09/20/2010	09/20/2010	09/21/2010	09/21/2010	09/22/2010
Date Prepared		09/23/2010	09/23/2010	09/23/2010	09/23/2010	09/23/2010
Preparation Method		3550B	3550B	3550B	3550B	3550B
Date Analyzed		09/23/2010	09/23/2010	09/23/2010	09/23/2010	09/23/2010
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DROs (C10 to C28)	10.0	ND	ND	ND	ND	419
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		258322	258323	258324	258325	258329
Surrogates	% Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Chlorobenzene	70-120	99	101	100	99	98

QUALITY CONTROL REPORT

QC Batch No: S-092310-1D Sample Spiked: 258322

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Diesel	10.00	11.40	114	10.00	11.10	111	2.7	75-120	<20	

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S-092310-1D

Our Lab I.D.		258330	258331	258332	258333	258334
Client Sample I.D.		MW1B-30	MW1B-35	MW1B-40	MW1B-45	MW6-25
Date Sampled		09/22/2010	09/22/2010	09/22/2010	09/22/2010	09/22/2010
Date Prepared		09/23/2010	09/23/2010	09/23/2010	09/23/2010	09/23/2010
Preparation Method		3550B	3550B	3550B	3550B	3550B
Date Analyzed		09/23/2010	09/23/2010	09/23/2010	09/23/2010	09/23/2010
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DROs (C10 to C28)	10.0	311	ND	ND	ND	ND
TPH OROs (C28+)	50.0	ND	ND	ND	ND	ND

Our Lab I.D.		258330	258331	258332	258333	258334
Surrogates	**% Rec.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Chlorobenzene	70-120	104	90	94	94	93

QUALITY CONTROL REPORT

QC Batch No: S-092310-1D Sample Spiked: 258322

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Diesel	10.00	11.40	114	10.00	11.10	111	2.7	75-120	<20	

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ANALYTICAL RESULTS

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S-092410-1P

Our Lab I.D.		**258326**	**258327**			
Client Sample I.D.		MW1B-5	MW1B-10			
Date Sampled		**09/22/2010**	**09/22/2010**			
Date Prepared		**09/23/2010**	**09/23/2010**			
Preparation Method		**3550B**	**3550B**			
Date Analyzed		**09/24/2010**	**09/24/2010**			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	**PQL**	**Results**	**Results**			
TPH DROs (C10 to C28)	**10.0**	**54.6**	**ND**			
TPH OROs (C28+)	**50.0**	**172**	**ND**			

Our Lab I.D.		**258326**	**258327**			
Surrogates	**% Rec.Limit**	**% Rec.**	**% Rec.**			
Surrogate Percent Recovery						
Chlorobenzene	**70-120**	**105**	**109**			

QUALITY CONTROL REPORT

QC Batch No: S-092410-1P Sample Spiked: 258327

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Diesel	**10.00**	**11.00**	**110**	**10.00**	**10.80**	**108**	**1.8**	**75-120**	**<20**	

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ANALYTICAL RESULTS

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S-092410-1P

Our Lab I.D.		**258328**				
Client Sample I.D.		MW1B-15				
Date Sampled		**09/22/2010**				
Date Prepared		**09/23/2010**				
Preparation Method		**3550B**				
Date Analyzed		**09/24/2010**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		5				
Analytes	**PQL**	**Results**				
TPH DROs (C10 to C28)	**50.0**	**4720**				
TPH OROs (C28+)	**250**	**ND**				

Our Lab I.D.		**258328**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	**70-120**	**118**				

QUALITY CONTROL REPORT

QC Batch No: S-092410-1P Sample Spiked: 258327

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Diesel	**10.00**	**11.00**	**110**	**10.00**	**10.80**	**108**	**1.8**	**75-120**	**<20**	

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ANALYTICAL RESULTS

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S-092310-1

Our Lab I.D.		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		**09/23/2010**				
Preparation Method		**5030A**				
Date Analyzed		**09/23/2010**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH GROs (C6 to C10)	**0.500**	**ND**				

Our Lab I.D.						
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**98**				

QUALITY CONTROL REPORT

QC Batch No: S-092310-1

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	**10.00**	**9.20**	**92**	**10.00**	**9.30**	**93**	**1.1**	**75-120**	**<20**	
Toluene	**10.00**	**8.80**	**88**	**10.00**	**8.90**	**89**	**1.1**	**75-120**	**<20**	

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ANALYTICAL RESULTS

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S-092310-1

Our Lab I.D.		258322	258323	258324	258325	258326
Client Sample I.D.		MW4A-30	MW8-30	MW7-30	MW5-25	MW1B-5
Date Sampled		09/20/2010	09/20/2010	09/21/2010	09/21/2010	09/22/2010
Date Prepared		09/23/2010	09/23/2010	09/23/2010	09/23/2010	09/23/2010
Preparation Method		5030A	5030A	5030A	5030A	5030A
Date Analyzed		09/23/2010	09/23/2010	09/23/2010	09/23/2010	09/23/2010
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH GROs (C6 to C10)	0.500	ND	ND	ND	ND	ND

Our Lab I.D.		258322	258323	258324	258325	258326
Surrogates	**% Rec.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	113	107	114	119	99

QUALITY CONTROL REPORT

QC Batch No: S-092310-1 Sample Spiked: 258322

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	10.00	9.20	92	10.00	9.30	93	1.1	75-120	<20	
Toluene	10.00	8.80	88	10.00	8.90	89	1.1	75-120	<20	

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ANALYTICAL RESULTS

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S-092310-1

Our Lab I.D.		258327	258332	258333	258334	
Client Sample I.D.		MW1B-10	MW1B-40	MW1B-45	MW6-25	
Date Sampled		09/22/2010	09/22/2010	09/22/2010	09/22/2010	
Date Prepared		09/23/2010	09/23/2010	09/23/2010	09/23/2010	
Preparation Method		5030A	5030A	5030A	5030A	
Date Analyzed		09/23/2010	09/23/2010	09/23/2010	09/23/2010	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH GROs (C6 to C10)	0.500	0.995	0.830	ND	ND	

Our Lab I.D.		258327	258332	258333	258334	
Surrogates	**% Rec.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	118	119	119	120	

QUALITY CONTROL REPORT

QC Batch No: S-092310-1 Sample Spiked: 258322

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	10.00	9.20	92	10.00	9.30	93	1.1	75-120	<20	
Toluene	10.00	8.80	88	10.00	8.90	89	1.1	75-120	<20	

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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ANALYTICAL RESULTS

Ordered By

SCS Engineers
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San Diego, CA 92123-

Telephone: (858)571-5500
Attn: Tom Wright

Site

2188 Palomar Airport Road
Carlsbad, CA

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S-092410-1

Our Lab I.D.		**258331**				
Client Sample I.D.		MW1B-35				
Date Sampled		**09/22/2010**				
Date Prepared		**09/23/2010**				
Preparation Method		**5030A**				
Date Analyzed		**09/24/2010**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		100				
Analytes	**PQL**	**Results**				
TPH GROs (C6 to C10)	**50.0**	**1450**				

Our Lab I.D.		**258331**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**89**				

QUALITY CONTROL REPORT

QC Batch No: S-092410-1 Sample Spiked: ED092410

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	**10.00**	**9.10**	**91**	**10.00**	**9.20**	**92**	**1.1**	**75-120**	**<20**	
Toluene	**10.00**	**8.60**	**86**	**10.00**	**8.70**	**87**	**1.2**	**75-120**	**<20**	

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ANALYTICAL RESULTS

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S-092710-1

Our Lab I.D.		**258328**				
Client Sample I.D.		MW1B-15				
Date Sampled		**09/22/2010**				
Date Prepared		**09/23/2010**				
Preparation Method		**5030A**				
Date Analyzed		**09/27/2010**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		10				
Analytes	**PQL**	**Results**				
TPH GROs (C6 to C10)	**5.00**	**110**				

Our Lab I.D.		**258328**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**93**				

QUALITY CONTROL REPORT

QC Batch No: S-092710-1 Sample Spiked: B258517

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	**10.00**	**8.70**	**87**	**10.00**	**8.80**	**88**	**1.1**	**75-120**	**<20**	
Toluene	**10.00**	**8.50**	**85**	**10.00**	**8.60**	**86**	**1.2**	**75-120**	**<20**	

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S-092710-1

Our Lab I.D.		**258330**				
Client Sample I.D.		MW1B-30				
Date Sampled		**09/22/2010**				
Date Prepared		**09/23/2010**				
Preparation Method		**5030A**				
Date Analyzed		**09/23/2010**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		500				
Analytes	**PQL**	**Results**				
TPH GROs (C6 to C10)	**250**	**12600**				

Our Lab I.D.		**258330**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**84**				

QUALITY CONTROL REPORT

QC Batch No: S-092710-1 Sample Spiked: 258322

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	**10.00**	**8.70**	**87**	**10.00**	**8.80**	**88**	**1.1**	**75-120**	**<20**	
Toluene	**10.00**	**8.50**	**85**	**10.00**	**8.60**	**86**	**1.2**	**75-120**	**<20**	

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S-092810-1

Our Lab I.D.		**258329**				
Client Sample I.D.		MW1B-25				
Date Sampled		**09/22/2010**				
Date Prepared		**09/23/2010**				
Preparation Method		**5030A**				
Date Analyzed		**09/28/2010**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
TPH GROs (C6 to C10)	**0.500**	**139**				

Our Lab I.D.		**258329**				
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**77**				

QUALITY CONTROL REPORT

QC Batch No: S-092810-1 Sample Spiked: C258376

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	**10.00**	**8.80**	**88**	**10.00**	**8.70**	**87**	**1.1**	**75-120**	**<20**	
Toluene	**10.00**	**8.20**	**82**	**10.00**	**8.20**	**82**	**<1**	**75-120**	**<20**	

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ANALYTICAL RESULTS

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8260B, BTEX and Oxygenates

QC Batch No: S-092410-1B

Our Lab I.D.		Method Blank				
Client Sample I.D.						
Date Sampled						
Date Prepared		**09/24/2010**				
Preparation Method		**5030A**				
Date Analyzed		**09/24/2010**				
Matrix		Soil				
Units		ug/kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Benzene	**2.00**	**ND**				
DIPE	**5.00**	**ND**				
ETBE	**5.00**	**ND**				
Ethylbenzene	**2.00**	**ND**				
MTBE	**5.00**	**ND**				
TAME	**5.00**	**ND**				
TBA	**20.0**	**ND**				
Toluene (Methyl benzene)	**2.00**	**ND**				
o-Xylene	**2.00**	**ND**				
m- & p-Xylenes	**4.00**	**ND**				
Naphthalene	**10.0**	**ND**				

Our Lab I.D.						
Surrogates	**% Rec.Limit**	**% Rec.**				
Surrogate Percent Recovery						
Bromofluorobenzene	**70-120**	**92**				
Dibromofluoromethane	**70-120**	**100**				
Toluene-d8	**70-120**	**96**				

QUALITY CONTROL REPORT

QC Batch No: S-092410-1B

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	**50.00**	**48.50**	**97**	**50.00**	**48.50**	**97**	**<1**	**75-120**	**<15**	
MTBE	**50.00**	**56.00**	**112**	**50.00**	**54.50**	**109**	**2.7**	**75-120**	**<15**	
Toluene (Methyl benzene)	**50.00**	**49.00**	**98**	**50.00**	**48.50**	**97**	**1.0**	**75-120**	**<15**	

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ANALYTICAL RESULTS

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Project ID: 11981630.06
Project Name: Former Air Resorts

ASL Job Number	Submitted	Client
47145	09/23/2010	SCS

Method: 8260B, BTEX and Oxygenates

QC Batch No: S-092410-1B

Our Lab I.D.		258322	258323	258324	258325	258334
Client Sample I.D.		MW4A-30	MW8-30	MW7-30	MW5-25	MW6-25
Date Sampled		09/20/2010	09/20/2010	09/21/2010	09/21/2010	09/22/2010
Date Prepared		09/24/2010	09/24/2010	09/24/2010	09/24/2010	09/24/2010
Preparation Method		5030A	5030A	5030A	5030A	5030A
Date Analyzed		09/24/2010	09/24/2010	09/24/2010	09/24/2010	09/24/2010
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Benzene	2.00	ND	ND	ND	5.20	5.50
DIPE	5.00	ND	ND	ND	ND	ND
ETBE	5.00	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
TAME	5.00	ND	ND	ND	ND	ND
TBA	20.0	ND	ND	ND	ND	71.0
Toluene (Methyl benzene)	2.00	ND	ND	ND	19.1	9.45
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND

Our Lab I.D.		258322	258323	258324	258325	258334
Surrogates	**% Rec.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	92	94	92	92	92
Dibromofluoromethane	70-120	100	108	108	100	110
Toluene-d8	70-120	94	94	94	95	92

QUALITY CONTROL REPORT

QC Batch No: S-092410-1B Sample Spiked: D258296

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Benzene	50.00	48.50	97	50.00	48.50	97	<1	75-120	<15	
MTBE	50.00	56.00	112	50.00	54.50	109	2.7	75-120	<15	
Toluene (Methyl benzene)	50.00	49.00	98	50.00	48.50	97	1.0	75-120	<15	

H&P Mobile Geochemistry Inc.

18 October 2010

Mr. Tom Wright
SCS Engineers - San Diego
8799 Balboa Avenue, Suite 290
San Diego, CA 92123

H&P Project: SCS100610-10
Client Project: 11981630.06 / 2188 Palomar Airport Rd.

Dear Client:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 06-Oct-10 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

J Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

2470 Impala Drive, Carlsbad, California 92010 ┌ 760.804.9678 — Fax 760.804.9159
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SCS Engineers - San Diego
8799 Balboa Avenue, Suite 290
San Diego, CA 92123

Project: SCS100610-10
Project Number: 11981630.06 / 2188 Palomar Airport Rd.
Project Manager: Mr. Tom Wright

Reported:
18-Oct-10 12:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW1B	E010017-01	Water	04-Oct-10	06-Oct-10
MW3	E010017-02	Water	04-Oct-10	06-Oct-10
MW4A	E010017-03	Water	04-Oct-10	06-Oct-10
MW5	E010017-04	Water	04-Oct-10	06-Oct-10
MW6	E010017-05	Water	04-Oct-10	06-Oct-10
MW7	E010017-06	Water	04-Oct-10	06-Oct-10
MW8	E010017-07	Water	04-Oct-10	06-Oct-10

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SCS Engineers - San Diego	Project: SCS100610-10	
8799 Balboa Avenue, Suite 290	Project Number: 11981630.06 / 2188 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Oct-10 12:03

Volatile Organic Compounds by EPA Method 8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW1B (E010017-01) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Methyl tertiary-butyl ether (MTBE)	**59**	10	ug/l	1	EJ01102	11-Oct-10	11-Oct-10	EPA 8260B	
Diisopropyl ether (DIPE)	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	10	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	10	"	"	"	"	"	"	
Benzene	**6400**	50	"	10	"	"	"	"	
Toluene	**38000**	250	"	50	"	"	12-Oct-10	"	
Ethylbenzene	**1500**	5.0	"	1	"	"	11-Oct-10	"	
m,p-Xylene	**7000**	100	"	10	"	"	"	"	
o-Xylene	**2800**	50	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	50	"	1	"	"	"	"	
Naphthalene	**250**	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*		*"*	*"*	*"*	
Surrogate: 1,2-Dichloroethane-d4		*111 %*		*62-139*		*"*	*"*	*"*	
Surrogate: Toluene-d8		*100 %*		*75-125*		*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*94.6 %*		*75-125*		*"*	*"*	*"*	
MW3 (E010017-02) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Methyl tertiary-butyl ether (MTBE)	**13**	1.0	ug/l	0.05	EJ01102	11-Oct-10	11-Oct-10	EPA 8260B	
Diisopropyl ether (DIPE)	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	1.0	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	1.0	"	"	"	"	"	"	
Benzene	**11**	0.5	"	"	"	"	"	"	
Toluene	**33**	0.5	"	"	"	"	"	"	
Ethylbenzene	**2.4**	0.5	"	"	"	"	"	"	
m,p-Xylene	**6.8**	1.0	"	"	"	"	"	"	
o-Xylene	**3.2**	0.5	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	5.0	"	"	"	"	"	"	
Naphthalene	**5.9**	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.1 %*		*75-125*		*"*	*"*	*"*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*62-139*		*"*	*"*	*"*	
Surrogate: Toluene-d8		*99.5 %*		*75-125*		*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*93.7 %*		*75-125*		*"*	*"*	*"*	

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SCS Engineers - San Diego	Project: SCS100610-10	
8799 Balboa Avenue, Suite 290	Project Number: 11981630.06 / 2188 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Oct-10 12:03

Volatile Organic Compounds by EPA Method 8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW4A (E010017-03) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Methyl tertiary-butyl ether (MTBE)	**1.8**	1.0	ug/l	0.05	EJ01102	11-Oct-10	11-Oct-10	EPA 8260B	
Diisopropyl ether (DIPE)	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	1.0	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	1.0	"	"	"	"	"	"	
Benzene	**1.3**	0.5	"	"	"	"	"	"	
Toluene	**9.6**	0.5	"	"	"	"	"	"	
Ethylbenzene	**0.6**	0.5	"	"	"	"	"	"	
m,p-Xylene	**1.9**	1.0	"	"	"	"	"	"	
o-Xylene	**0.9**	0.5	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.3 %*		*75-125*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*		*62-139*		"	"	"	
Surrogate: Toluene-d8		*96.7 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.1 %*		*75-125*		"	"	"	
MW5 (E010017-04) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Methyl tertiary-butyl ether (MTBE)	ND	1.0	ug/l	0.05	EJ01102	11-Oct-10	11-Oct-10	EPA 8260B	
Diisopropyl ether (DIPE)	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	1.0	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	1.0	"	"	"	"	"	"	
Benzene	**9.6**	0.5	"	"	"	"	"	"	
Toluene	**34**	0.5	"	"	"	"	"	"	
Ethylbenzene	**0.8**	0.5	"	"	"	"	"	"	
m,p-Xylene	**2.3**	1.0	"	"	"	"	"	"	
o-Xylene	**1.8**	0.5	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.2 %*		*75-125*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*		*62-139*		"	"	"	
Surrogate: Toluene-d8		*98.0 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.8 %*		*75-125*		"	"	"	

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SCS Engineers - San Diego	Project: SCS100610-10	
8799 Balboa Avenue, Suite 290	Project Number: 11981630.06 / 2188 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Oct-10 12:03

Volatile Organic Compounds by EPA Method 8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW6 (E010017-05) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Methyl tertiary-butyl ether (MTBE)	ND	10	ug/l	1	EJ01102	11-Oct-10	11-Oct-10	EPA 8260B	
Diisopropyl ether (DIPE)	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	10	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	10	"	"	"	"	"	"	
Benzene	**1400**	5.0	"	"	"	"	"	"	
Toluene	**13000**	50	"	10	"	"	"	"	
Ethylbenzene	**320**	5.0	"	1	"	"	"	"	
m,p-Xylene	**1600**	10	"	"	"	"	"	"	
o-Xylene	**750**	5.0	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	50	"	"	"	"	"	"	
Naphthalene	**77**	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*75-125*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*118 %*		*62-139*		"	"	"	
Surrogate: Toluene-d8		*97.6 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.5 %*		*75-125*		"	"	"	
MW7 (E010017-06) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Methyl tertiary-butyl ether (MTBE)	**3.8**	1.0	ug/l	0.05	EJ01102	11-Oct-10	11-Oct-10	EPA 8260B	
Diisopropyl ether (DIPE)	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	1.0	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	1.0	"	"	"	"	"	"	
Benzene	**2.7**	0.5	"	"	"	"	"	"	
Toluene	**5.9**	0.5	"	"	"	"	"	"	
Ethylbenzene	**1.2**	0.5	"	"	"	"	"	"	
m,p-Xylene	**3.3**	1.0	"	"	"	"	"	"	
o-Xylene	**2.6**	0.5	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	5.0	"	"	"	"	"	"	
Naphthalene	**1.3**	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.4 %*		*75-125*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*		*62-139*		"	"	"	
Surrogate: Toluene-d8		*96.5 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*		*75-125*		"	"	"	

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

SCS Engineers - San Diego	Project: SCS100610-10	
8799 Balboa Avenue, Suite 290	Project Number: 11981630.06 / 2188 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Oct-10 12:03

Volatile Organic Compounds by EPA Method 8260B

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW8 (E010017-07) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Methyl tertiary-butyl ether (MTBE)	ND	1.0	ug/l	0.05	EJ01102	11-Oct-10	11-Oct-10	EPA 8260B	
Diisopropyl ether (DIPE)	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether (ETBE)	ND	1.0	"	"	"	"	"	"	
Tertiary-amyl methyl ether (TAME)	ND	1.0	"	"	"	"	"	"	
Benzene	**0.6**	0.5	"	"	"	"	"	"	
Toluene	**8.0**	0.5	"	"	"	"	"	"	
Ethylbenzene	ND	0.5	"	"	"	"	"	"	
m,p-Xylene	**1.4**	1.0	"	"	"	"	"	"	
o-Xylene	**0.6**	0.5	"	"	"	"	"	"	
Tertiary-butyl alcohol (TBA)	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.1 %*		*75-125*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*		*62-139*		"	"	"	
Surrogate: Toluene-d8		*96.7 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.1 %*		*75-125*		"	"	"	

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SCS Engineers - San Diego
8799 Balboa Avenue, Suite 290
San Diego, CA 92123

Project: SCS100610-10
Project Number: 11981630.06 / 2188 Palomar Airport Rd.
Project Manager: Mr. Tom Wright

Reported:
18-Oct-10 12:03

TPH by GC FID

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MW1B (E010017-01) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Gasoline (C5-C11)	**120000**	500	ug/l	1	EJ01312	13-Oct-10	13-Oct-10	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
MW3 (E010017-02) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Gasoline (C5-C11)	ND	500	ug/l	1	EJ01312	13-Oct-10	13-Oct-10	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
MW4A (E010017-03) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Gasoline (C5-C11)	ND	500	ug/l	1	EJ01312	13-Oct-10	13-Oct-10	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
MW5 (E010017-04) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Gasoline (C5-C11)	ND	500	ug/l	1	EJ01312	13-Oct-10	13-Oct-10	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
MW6 (E010017-05) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Gasoline (C5-C11)	**33000**	500	ug/l	1	EJ01312	13-Oct-10	13-Oct-10	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
MW7 (E010017-06) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Gasoline (C5-C11)	ND	500	ug/l	1	EJ01312	13-Oct-10	13-Oct-10	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
MW8 (E010017-07) Water Sampled: 04-Oct-10 Received: 06-Oct-10									
Gasoline (C5-C11)	ND	500	ug/l	1	EJ01312	13-Oct-10	13-Oct-10	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	

H&P Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
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SCS Engineers - San Diego
8799 Balboa Avenue, Suite 290
San Diego, CA 92123

Project: SCS100610-10
Project Number: 11981630.06 / 2188 Palomar Airport Rd.
Project Manager: Mr. Tom Wright

Reported:
18-Oct-10 12:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ01102 - EPA 5030										
Blank (EJ01102-BLK1)				Prepared & Analyzed: 11-Oct-10						
Methyl tertiary-butyl ether (MTBE)	ND	1.0	ug/l							
Diisopropyl ether (DIPE)	ND	1.0	"							
Ethyl tert-butyl ether (ETBE)	ND	1.0	"							
Tertiary-amyl methyl ether (TAME)	ND	1.0	"							
Benzene	ND	0.5	"							
Toluene	ND	0.5	"							
Ethylbenzene	ND	0.5	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.5	"							
Tertiary-butyl alcohol (TBA)	ND	5.0	"							
Naphthalene	ND	1.0	"							
Surrogate: Dibromofluoromethane	*2.36*		"	*2.50*		*94.4*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.54*		"	*2.50*		*101*	*62-139*			
Surrogate: Toluene-d8	*2.36*		"	*2.50*		*94.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.46*		"	*2.50*		*98.5*	*75-125*			
LCS (EJ01102-BS1)				Prepared & Analyzed: 11-Oct-10						
Benzene	2.20	0.5	ug/l	2.50		87.8	75-125			
Toluene	2.16	0.5	"	2.50		86.4	74-125			
Surrogate: Dibromofluoromethane	*2.44*		"	*2.50*		*97.4*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.67*		"	*2.50*		*107*	*62-139*			
Surrogate: Toluene-d8	*2.43*		"	*2.50*		*97.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.44*		"	*2.50*		*97.5*	*75-125*			
LCS Dup (EJ01102-BSD1)				Prepared & Analyzed: 11-Oct-10						
Benzene	2.17	0.5	ug/l	2.50		86.9	75-125	1.10	20	
Toluene	2.12	0.5	"	2.50		84.7	74-125	2.03	20	
Surrogate: Dibromofluoromethane	*2.37*		"	*2.50*		*94.8*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.45*		"	*2.50*		*98.2*	*62-139*			
Surrogate: Toluene-d8	*2.42*		"	*2.50*		*96.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.37*		"	*2.50*		*94.6*	*75-125*			

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SCS Engineers - San Diego	Project: SCS100610-10	
8799 Balboa Avenue, Suite 290	Project Number: 11981630.06 / 2188 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Oct-10 12:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ01102 - EPA 5030										

Mobile Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
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760-804-9159 Fax

SCS Engineers - San Diego
8799 Balboa Avenue, Suite 290
San Diego, CA 92123

Project: SCS100610-10
Project Number: 11981630.06 / 2188 Palomar Airport Rd.
Project Manager: Mr. Tom Wright

Reported:
18-Oct-10 12:03

TPH by GC FID - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ01312 - LUFT-DHS										
Blank (EJ01312-BLK1)				Prepared & Analyzed: 13-Oct-10						
Gasoline (C5-C11)	ND	500	ug/l							
Diesel (C12-C24)	ND	500	"							
Matrix Spike (EJ01312-MS1)		Source: E010017-03		Prepared & Analyzed: 13-Oct-10						
Gasoline (C5-C11)	2680	500	ug/l	3000	ND	89.2	75-125			
Diesel (C12-C24)	7560	500	"	7500	ND	101	75-125			
Matrix Spike Dup (EJ01312-MSD1)		Source: E010017-03		Prepared & Analyzed: 13-Oct-10						
Gasoline (C5-C11)	2770	500	ug/l	3000	ND	92.3	75-125	3.42	30	
Diesel (C12-C24)	7140	500	"	7500	ND	95.2	75-125	5.70	30	

Mobile Geochemistry Inc.

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Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

SCS Engineers - San Diego	Project: SCS100610-10	
8799 Balboa Avenue, Suite 290	Project Number: 11981630.06 / 2188 Palomar Airport Rd.	Reported:
San Diego, CA 92123	Project Manager: Mr. Tom Wright	18-Oct-10 12:03

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trimethylbenzene by EPA TO -14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
1,3,5-Trimethylbenzene by EPA TO -14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15 & TO-14A
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15
cis-1,2-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,2-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15 & TO-14A
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

This certification applies to samples analyzed in summa canisters.

Non-Hazardous Waste Manifest

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
(SOC)		1-800-424-9300	35469

GENERATOR

5. Generator's Name and Mailing Address

PALOMAR AIRPORT (SHIPPER/OFFEROR)
2188 PALOMAR AIRPORT RD.
CARLSBAD, CA 92008

Generator's Site Address (if different than mailing address)

SAME

Generator's Phone: 760-931-5300 CHRIS CROSBY

6. Transporter 1 Company Name

EPR ENVIRONMENTAL SERVICES, INC.

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

CROSBY & OVERTON PLANT #1
1630 WEST 17TH STREET
LONG BEACH, CA 90813

U.S. EPA ID Number

Facility's Phone: 562-432-5445

CAD028409019

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-HAZARDOUS WASTE LIQUID (PURGE WATER)	5	DM	230	G	
2.	NON-HAZARDOUS WASTE SOLID (SOIL)	20	DM	12000	P	
3.						
4.						

13. Special Handling Instructions and Additional Information

98-1 PROFILE NO: 80138
98-2 PROFILE NO: 80199

D95956

ALWAYS WEAR APPROPRIATE PPE & USE SAFE HANDLING METHODS.

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Chris Crosby (SCS)		10	29	10

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Octavio Quintero		10	29	10
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)		Month	Day	Year

+/130 > 11/14

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Jaime Belleza		11	03	10

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 10/4/10
H&P Project # SCS100610-10
Outside Lab:

Client: SCS - San Diego
Address: 8799 Balboa Ave Ste 290
Email: twright@scsengineers.com
Collector: TWright
Client Project # 11981630.06
Location: 2188 Palomar Airport Rd, Carlsbad, CA
Phone: Fax:
Page: 1 of 1
Project Contact:
Turn around time: Normal

Geotracker EDF: Yes ☒ No ☐
Global ID: T0607302335
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☑ Yes ☐ No ☐ N/A
Temperature: 7°C

Special Instructions:

NO UPS DROP OFF

Lab Work Order # E010017

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☒ BTEX/OXY ☐ TPH gas	8015M TPH ☒ g ☒ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☒ 8260B ☐ TO-15 (WATER)	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
MW1B			1600	10/4	W	VOA	6		☒	☒					☒							
MW3			1655				6		☒	☒					☒							
MW4A			1435				6		☒	☒					☒							
MW5			1610				6		☒	☒					☒							
MW6			1628				6		☒	☒					☒							
MW7			1445				6		☒	☒					☒							
MW8			1420				6		☒	☒					☒							

Relinquished by: (Signature)	(company) SCS	Received by: (Signature)	(company) H+P	Date: 9/6/2010	Time: 9 AM
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

County of San Diego

J. WILLIAM COX, M.D., Ph.D.
DIRECTOR
(619) 236-2237

STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR
(619) 236-7633

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

OFFICIAL NOTICE

November 13, 1989

Ms. Patty Miller
Property Manager
Air Resorts Airlines/Palomar Airport
2192 Palomar Airport Road
Carlsbad, CA 92008

Dear Ms. Miller:

RE: UNAUTHORIZED RELEASE #T1455/H13977
2016 PALOMAR AIRPORT ROAD, CARLSBAD, CA

Your written supplemental report to update the Unauthorized Release Report for the site referenced above is PAST DUE. You are required to submit this report every two weeks to update the progress of activities at that site, in accordance with the provisions of the California Code of Regulations, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652. The report was due September 10, 1989.

Please submit your written supplemental report to update the Unauthorized Release Report to this Department within five work days of receipt of this Notice.

If you have any questions on this matter, please contact me at (619) 338-2222.

Sincerely,

MIKE VERNETTI, Hazardous Materials Specialist
Hazardous Materials Management Division

MV:ydt

WP/T1455

30-33

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101

DIVISION OF ENVIRONMENTAL HEALTH PROTECTION
HAZARDOUS MATERIALS MANAGEMENT UNIT
(619) 236-2222

DATE: 8/14/89

MEMORANDUM FOR: California Regional Water Quality Control Board, San Diego Region

FROM: Hazardous Materials Management Unit (HMMU)

SUBJECT: UNAUTHORIZED RELEASE OF HAZARDOUS MATERIAL FROM AN UNDERGROUND STORAGE TANK T# 1455 H13977

Evidence of an unauthorized release of a hazardous material has been noted by HMMU staff at the site described below:

Site Address: 2016 PALOMAR AIRPORT RD (Street) CARLSBAD (City) 92008 (Zip Code)

Property Owner: AIR RESORTS AIRLINES (Name)
2192 PALOMAR AIRPORT RD (Street) CARLSBAD (City) 92008 (Zip Code)
Telephone 438-3600

Tank Operator: AIR RESORTS AIRLINES (Name) 438 3600 (Telephone)

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s) 1500 GALLON TANK

Amount Released UNK (Gallons) UNK (Time Period)

Release Detected By:

- ✓ Routine Tank Testing
- ____ Test of Piping
- ____ Inventory Audit
- ____ Monitoring Device/Well
- ____ Evidence of Soil Contamination Detected During Tank Removal
- ____ Evidence of Leaky Tank Detected During Tank Removal
- ____ Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). 1500 GALLON CONCRETE TANK FAILED PRECISION TEST BY MONITO ENVIRONMENTAL

Date Release Reported to or Detected by HMMU 8/14/89
Contact With Other Agencies _____
Additional Comments:

Please call the HMMU at 236-2222 if you have questions or comments regarding the above.

HMMU Staff MIKE VERNIER

DHS:HM-9010 (12/86)

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P O BOX 85261
SAN DIEGO CA 92138-5261
(619) 236-2222

OFFICIAL NOTICE

8/14/89

PATTY MILLER, PROPERTY MANAGER
AIR RESORTS AIRLINES / PALOMAR AIRPORT
2192 PALOMAR AIRPORT RD, CARLSBAD 92008

RE: UNAUTHORIZED RELEASE #T 145 H13977
2016 PALOMAR AIRPORT RD, CARLSBAD

Dear MS. MILLER :

Information provided to this Department by PATTY MILLER indicates that the underground hazardous substance storage facility at the location referenced above has experienced an Unauthorized Release (leak). 1500 GALLON TANK FAILED PRECISION TEST

The conditions created by the Unauthorized Release must be reported and corrected in accordance with Sections 25295 and 25297 of Chapter 6.7 of the California Health and Safety Code (H&SC) and Section 2652, Subchapter 16, Chapter 3, Title 23 of the California Administrative Code (CAC), and Chapter 6.5 of the H&SC and Title 22 of the CAC.

As the owner/operator of the underground storage tank, it is your responsibility to:

1. Take immediate action to prevent further unauthorized release;
2. Determine the extent and impact of the unauthorized release;
3. Submit a written Unauthorized Release Report to this Department within five workdays of receipt of this Notice;
4. Complete and distribute within five workdays the enclosed State Water Resources Control Board's "Underground Storage Tank Unauthorized Release(Leak)/Contamination Site Report";
5. Submit supplemental report as required to update the initial report; and,
6. Complete any site mitigation (cleanup) required.

The Unauthorized Release Report must address all six Elements listed on the reverse side of this Official Notice, to the extent of the best information known at this time. Additional information and responsibilities are also listed. Please note Item G concerning responsibility for payment for staff time expended on the investigation.

Subsequent site characterization and mitigation actions will be determined upon evaluation of the written report and consultation with the Regional Water Quality Control Board and other appropriate regulatory agencies.

Please call me at (619) 236-2222 if you have any questions regarding this Official Notice.

Sincerely,

MIKE VERNETTI
Hazardous Materials Specialist

Enclosure

cc: RWQCB

FEDERAL

Each of the following must be addressed in the Unauthorized Release Report (CAC, Title 23, Chapter 3, Subchapter 16, Section 2652):

1. Describe the type, quantity and concentration of the hazardous substance released.

2. Describe the extent of the soil, groundwater, and/or surface water contamination due to the release based on the results of all investigations completed at the time the report is submitted.

3. Describe the method of clean-up implemented to date, proposed clean-up actions, and approximate costs of actions taken to date.

4. Indicate the method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water. (If any contaminated soil or water is removed from the site, include copies of the hazard waste manifests).

5. Describe the proposed method of repair or replacement of the underground tank/piping.

6. Include the tank operator's name and telephone number, the name and telephone number of any consultants retained, and a projection of proposed activity schedule.

NOTE: The completed SWRCB Form (enclosed) with appropriately detailed "comments" will usually suffice as meeting the requirements for the initial Unauthorized Release Report. You must distribute the completed form to all agencies as specified on the back of the form.

ADDITIONAL INFORMATION/RESPONSIBILITIES

A. Notify the local Fire Department immediately whenever a fire hazard or explosion hazard is present.

B. Notify the Regional Water Quality Control Board at (619) 265-5114 within 24 hours regarding this Unauthorized Release.

C. Cease the unauthorized release immediately by removing the hazardous substance from the system's leaking component(s), as necessary. Give careful consideration to proper tank ballast in areas of high groundwater. Ballast should be inert and compatible with tank residues (i.e., water).

D. Maintain the site in a safe and secure manner. The excavation, if any, may be backfilled in the interim for safety until site decontamination activities commence.

E. Obtain necessary permits for repair or removal of the underground tanks/piping from this Department, and other agencies, as appropriate.

F. Issuance of a permit to install new tanks at a site does not imply that any unauthorized release at the site has been mitigated to the satisfaction of this Department or any other regulatory agency.

G. Whereas the federal Petroleum Leaking Underground Storage Tank Trust Fund provides funding to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the direct and indirect costs of overseeing removal or remedial action at the above site are funded, in whole or in part, from the federal Trust Fund; and Whereas the above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site; YOU ARE HEREBY NOTIFIED that pursuant to Subdivision (h) of Section 699(b) of the United States Code, the above Responsible Party or Parties shall reimburse the State Water Resources Control Board for all direct and indirect costs incurred by any and all state and local agencies while overseeing the cleanup of the above underground storage tank site; and the above Responsible Party or Parties shall make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.

8-5 Helen

GEOCON

Environmental Consultants Inc.

To: Department of Health Services
Hazardous Materials Management Division
Post Office Box 85261
San Diego, California 92138-5261

Attn: ~~Marianne~~ HELEN

We request permission to review the following files:

Name	Address	H#	T#	Type of File(s)*
CAL-MAT SLOAN CANYON SAND	3605 DEHESA RD.	H13992		ALL
CINEMA AIR	2186 PALOMAR AIRPORT RD.	H20084		"
MOLLER & SONS	2016 " "	H20083		"
WESTERN FLIGHT INTERNATIONAL	2210 " "	H13987		"
AIR RESORTS	2192	H13977		"
SINGING HILLS GOLF COURSE	3007 DEHESA RD.	30961		(ALL)

Name: MICHAEL NALLEY Phone: 558-6100 (239)

* Tank precision test, unauthorized release, tank removal, etc.

AUG 2 4 33 PM '95

HMMU

8/25 ready to review - H Dennin
Nally here to

7920 Arjons Drive, Suite F
San Diego, CA 92126-4340
(619) ~~695-2661~~

COUNTY OF SAN DIEGO

EST. NUMBER H 13977

PAGE 1 OF 1

SPECIALIST: A. J. Wing

NOTICE OF VIOLATION

BUSINESS NAME Air Resorts Airlines **PHONE** 438-3600

BUSINESS ADDRESS 2016 Palomar Airport Road **City** Carlsbad **ZIP** 92008

OWNERS NAME Theodore Vallas **PHONE** 438-3600

OWNERS ADDRESS 2192 Palomar Airport Road **CITY** Carlsbad **ZIP** 92008

On the above date, an inspection of your business was conducted under the authority of section 25185 of the California Health and Safety Code. This inspection was conducted with the purpose of determining compliance with Chapters 6.5; 6.7; 6.95 of the California Health and Safety Code and/or applicable State or Local regulations. The following statements describe violations of law and are intended to provide guidance to correct the violations noted. You are currently in violation of law and may be subject to further legal action. Failure to correct these violations in a timely manner may be a factor in determining the course of further legal action.

A notice of violation was mailed to you on 3/16/89 notifying you that your Business Plan for your facility had not been received by Hazardous Materials Management Division as required by Calif. Health and Safety Code Chapter 6.95 Section 25503.5.

A notice of violation also was mailed to you on 3/16/89 notifying you that 1) You had not obtained a valid San Diego County Underground Storage Tank operating permit, 2) You are not maintaining underground tank monitoring records on site and 3) You have not submitted underground storage tank precision test report data to the Hazardous Materials Management Division.

Copies of the Notices of Violation mailed to you by Certified Mail on 3/16/89 are attached. Also attached is the Hazardous Materials Business Plan to be completed and submitted and the Underground Store Tank Operating Permit Application.

Within 10 days of the date of this notice, submit a completed Business Plan, and a completed application to operate an underground storage tank.

ISSUED TO: T. Vallas Pres. Dent **TITLE** Owner

ISSUED BY: Arnold J. Wing **DATE** 5/9/89 **TIME** 2:25pm

IDENTIFICATION (CA DRIVERS LICENSE OR DATE OF BIRTH)

[X] **If this box is checked, provide written documentation of compliance with this notice to this office within 10 days. Section 66328 (d) of the CA Code of Regulations requires, that at a minimum, this documentation must state:**

1. **The corrective action to be taken**
2. **The expected date of completion**

Department of Health Services; Hazardous Materials Management Division, PO Box 85261 San Diego CA, 92138-5261

(619) 338-2222

DHS:HM-912 (12/88)

County of San Diego

J. WILLIAM COX, M.D., Ph D.
DIRECTOR
(619) 236-2237

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR
(619) 236-7633

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 236-2222

March 16, 1989

Air Resorts Airlines
Theodore Vallas
2192 Palomar Airport Road
Carlsbad, CA 92008

Dear Mr Vallas:

SUBJECT: UNDERGROUND HAZARDOUS SUBSTANCE STORAGE TANK File #H13977
LOCATED AT: 2016 PALOMAR AIRPORT ROAD, CARLSBAD, CA 92008

The Hazardous Materials Management Division (HMMD) is responsible for protecting the public health and environment from the release of hazardous substances and ensuring that existing underground storage tanks are properly maintained, inspected and tested.

Recently, we have become aware of underground storage tanks existing on the property located at the above address. The tank owner/operator is responsible for satisfying the underground storage tank requirements set forth in Chapter 6.7 of the California Health and Safety Code (HSC); Title 6 of the San Diego County Code of Regulatory Ordinances (SDCC). The Department of Health Services, Hazardous Materials Management Division (HMMD) is the local agency responsible for enforcing the underground storage tank requirements.

According to the requirements, there are four alternatives for owners and/or operators of existing underground storage tanks. These alternatives are:

a) OPERATE the underground storage tank. This requires tank integrity testing and selecting and implementing an appropriate monitoring alternative.

b) CLOSE the underground storage tank. This requires site closure plans and documentation of soil testing to demonstrate that there has been no historical unauthorized release (leak).

cherie

c) TEMPORARY CLOSURE of the underground storage tank. This requires satisfying specific criteria and is a one time option which may be used for a period of time no greater than two years. This option also requires tank integrity testing.

d) REPLACEMENT of the underground storage tank as defined, Article 3 of Title 23 CCR.

Regardless of which option is chosen, every site with regulated underground storage tanks must obtain a permit from the Hazardous Materials Management Division, as prescribed by Section 25284 (A) of HSC and Section 68.1105 of SDCC. The information which must be submitted for a permit to operate or close an underground storage tank is listed in Section 2711 of Title 23 CCR. All of the requirements apply regardless of the current operational status of the underground storage tank.

The HMMD is hereby notifying you that the following violations have been determined from an inspection of the property:

1) Underground storage tank owner/operator has not obtained a valid San Diego County Underground Storage Tank operating permit.

2) Underground storage tank monitoring records are not maintained on site.

3) Underground storage tank precision test report data has not been submitted to the Hazardous Materials Management Division (HMMD) CAC 2643.

Submission of a completed operating or closure permit application, along with the appropriate fees, is necessary for compliance with the above laws and regulations. The violations must be corrected within 30 days of receipt of this notice.

Failure to satisfy the above requirements may be cause for the HMMD to require removal of the underground storage tank pursuant to Article 7 of Title 23 CCR.

Please contact the HMMD at (619) 236-2222 if you have any questions regarding this letter or your responsibilities.

Sincerely,

Arnold J. Wing

ARNOLD J. WING, R.E.H.S.
Hazardous Materials Management Division

AJW:js
cc: Mike Vernetti-HMMD
WPA/01/VALLAS.AW2

ENVIRONMENTAL BUSINESS SOLUTIONS Inc.

FACSIMILE COVER LETTER

Date: 11 | 17 | 97

Number of Pages: 3
(including cover page)

Fax#: 338-2377

Please deliver the following pages to:

Name: LAURIE APPLECHEA

Company: SAM

Telephone #:

Transmittal from:

Name: STEVE TRUESDALE

Comments: AS DISCUSSED, FOLLOWING ARE PRELIMINARY EXCAVATION AND STOCKPILE SOIL SAMPLE ANALYTICAL RESULTS (TPH) FROM THE ASSESSMENT AT 2188 PALOMAR AIRPORT ROAD IN CARLSBAD. MATT BODDE AT CET/WESTERN PUMP CAN BE REACHED AT 239-9988.

Hard copy to follow in the mail: O Yes O No

Unless otherwise indicated or obvious from the nature of the transmittal, the information contained in this facsimile message is privileged and confidential information for the use of the individual or entity named above. If the reader of this message is not the intended recipient or employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any discrimination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error or are not certain whether it is privileged, please notify us immediately by telephone, collect and return the original message to us at the address below via the U.S. Postal Service at our expense. Thank you.

For reception problems:
If you have trouble receiving this information, or if you did not receive the specified number of pages shown above, please call (619) 571 - 5500.

PRELIMINARY DATA PRELIMINARY DATA PRELIMINARY DATA

WESTERN PUMP PROJECT #
AIR RESORTS AIRLINE
2188 PALOMAR AIRPORT ROAD
CARLSBAD, CA.

TEG Project #971112-9

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
METHOD BLANK	11/12/97	ND	ND
T2-E-13	11/12/97	ND	ND
T2-E-13 DUP	11/12/97	ND	ND
T1-E-14	11/12/97	*1,202	**67
T2-W-13	11/12/97	*258	**3,784
T1-W-13	11/12/97	*1,348	**2,772
DETECTION LIMITS		10	10

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS
*INDICATIVE OF "AV. GAS" NOT GAS
**INDICATIVE OF KEROSENE NOT DIESEL
ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT

Post-it® Fax Note 7671	Date 11/13/97	# of pages ▶ 1
To Matt	From NOAH	
Co./Dept. Western Pump	Co. TEG	
Phone # 239-9988	Phone # 793-0401	
Fax # 239-9925	Fax # 793-0404	

PRELIMINARY DATA PRELIMINARY DATA PRELIMINARY DATA

CET WESTERN PUMP PROJECT #1998 C
PALOMAR AIRPORT
PALOMAR AIRPORT RD.
CARLSBAD, CA.

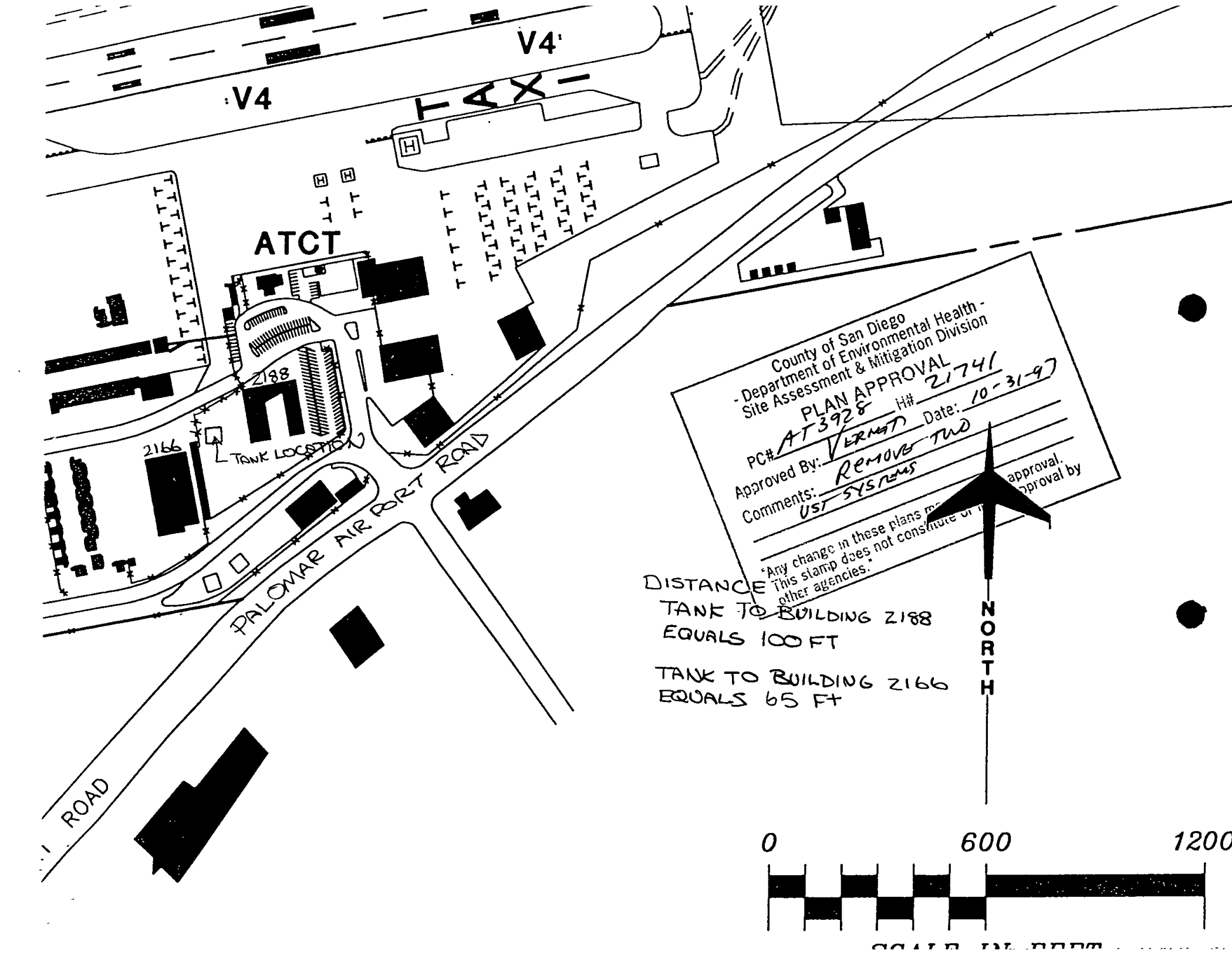
TEG Project #971114W2

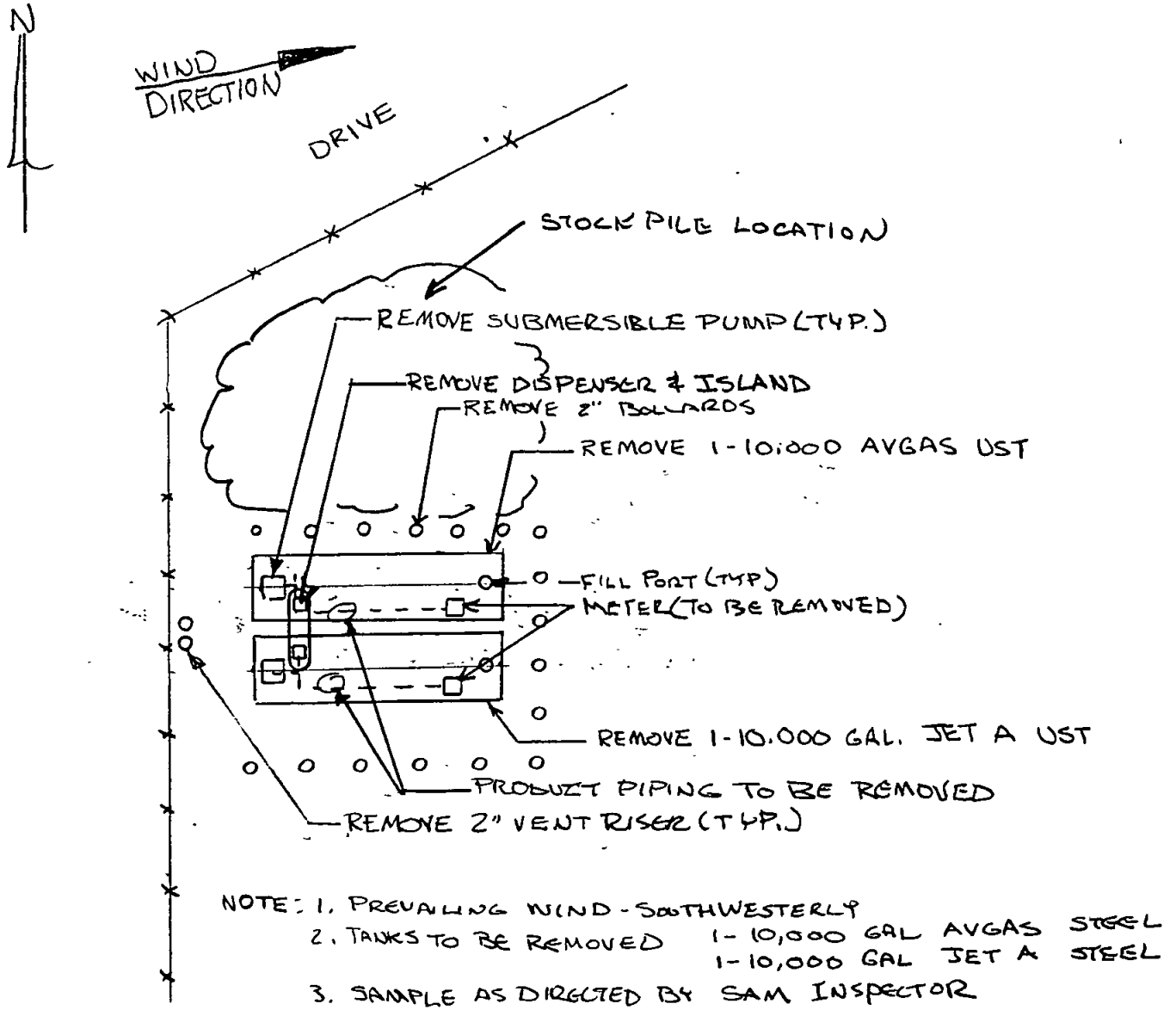
TPH (DOHS EPA Method 8015 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TPH-AV. GAS C5-C8 (mg/kg)	TPH-JET-A C8-C22 (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZ (mg/kg)	XYLENES (mg/kg)	SURROGATE (%REC)
METHOD BLANK	11/14/97	ND	ND	ND	ND	ND	ND	125 [illegible]
T1W-18	11/14/97	860	1,305	--	--	--	--	--
T1W-19	11/14/97	304	887	--	--	--	--	--
T1W-19 DUP	11/14/97	256	874	--	--	--	--	--
T1W-21	11/14/97	383	1,448	--	--	--	--	--
T1W-23	11/14/97	380	1,398	--	--	--	--	--
T2W-16	11/14/97	ND	340	--	--	--	--	--
T2W-19	11/14/97	168	2,682	--	--	--	--	--
T2W-21	11/14/97	141	1,283	--	--	--	--	--
T2W-23	11/14/97	386	2,204	--	--	--	--	--
T1W2-13	11/14/97	ND	ND	--	--	--	--	--
T1W2-18	11/14/97	1,271	2,354	*9.76	**111.3	*6.38	*44.86	105 [illegible]
T1W2-18 DUP	11/14/97	1,190	2,423	*8.84	**132.9	*6.45	*43.68	97 [illegible]
T2W2-13	11/14/97	390	3,731	--	--	--	--	--
T2W2-16	11/14/97	35	1,408	--	--	--	--	--
T1E-18	11/14/97	ND	ND	--	--	--	--	--
T1E-20	11/14/97	ND	ND	--	--	--	--	--
T1E2-14	11/14/97	ND	ND	--	--	--	--	--
T2E2-19	11/14/97	ND	43	--	--	--	--	--
T2E2-22	11/14/97	ND	ND	--	--	--	--	--
SP-1	11/14/97	305	1,205	--	--	--	--	--
SP-2	11/14/97	857	1,453	--	--	--	--	--
SP-3	11/14/97	250	1,961	--	--	--	--	--
SP-4	11/14/97	1,531	10,990	***36.5	***89.6	***11.7	***57.0	91.[illegible]
SP-5	11/14/97	20	191	--	--	--	--	--
SP-6	11/14/97	897	214	--	--	--	--	--
DETECTION LIMITS		10	10	0.050	0.050	0.050	0.050	65%-[illegible]

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS
*INDICATES DETECTION LEVEL INCREASED 10 TIMES BY DILUTION
**INDICATES DETECTION LEVEL INCREASED 10 TIMES BY DILUTION 10 TIMES BY RANGE CHANGE
***INDICATES DETECTION LEVEL INCREASED 100 TIMES BY DILUTION
ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1748)
ANALYSES PERFORMED BY: MR. JIM LIGGETT

Post-it® Fax Note 7671 | Date 11-14-97 | # of Pages ▶ 1
To STEVE TRUESDALE | From JIM LIGGETT
Co./Dept. EBS | Co. TEG
Phone # | Phone # (619) 793-0401
Fax # (619) 571-5357 | Fax # (619) 793-0404

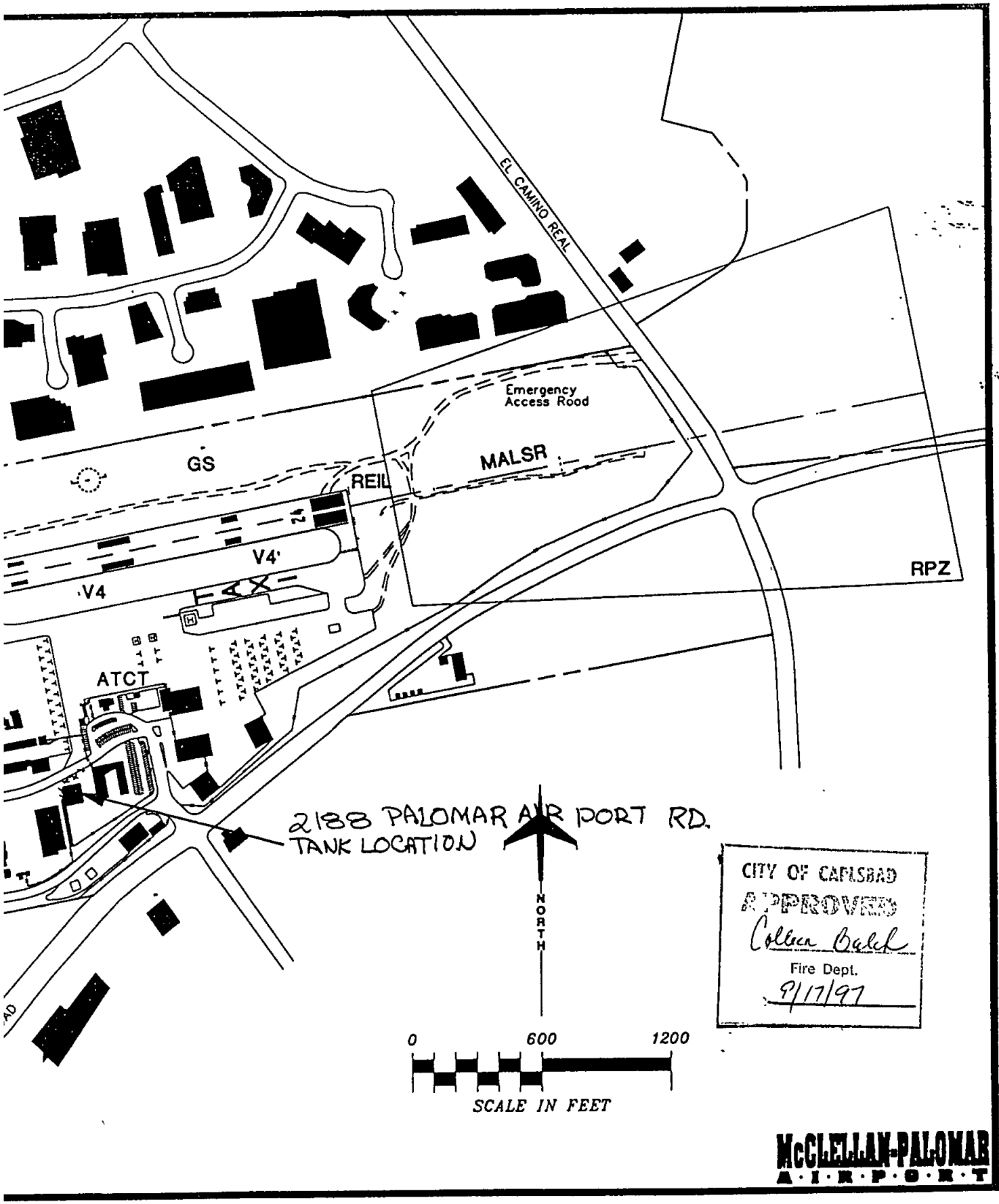

V4
V4
TAXI
ATCT
2188
2166
TANK LOCATION
PALOMAR AIRPORT ROAD
ROAD
County of San Diego
- Department of Environmental Health -
Site Assessment & Mitigation Division
PLAN APPROVAL
PC# AT3928 H# 21741
Approved By: VERNET Date: 10-31-97
Comments: REMOVE TWO
UST SYSTEMS
"Any change in these plans m approval.
This stamp does not constitute o pproval by
other agencies."
DISTANCE
TANK TO BUILDING 2188
EQUALS 100 FT
TANK TO BUILDING 2166
EQUALS 65 FT
NORTH
0
600
1200



NOTE: 1. PREVAILING WIND - SOUTHWESTERLY
2. TANKS TO BE REMOVED 1-10,000 GAL AVGAS STEEL
1-10,000 GAL JET A STEEL
3. SAMPLE AS DIRECTED BY SAM INSPECTOR

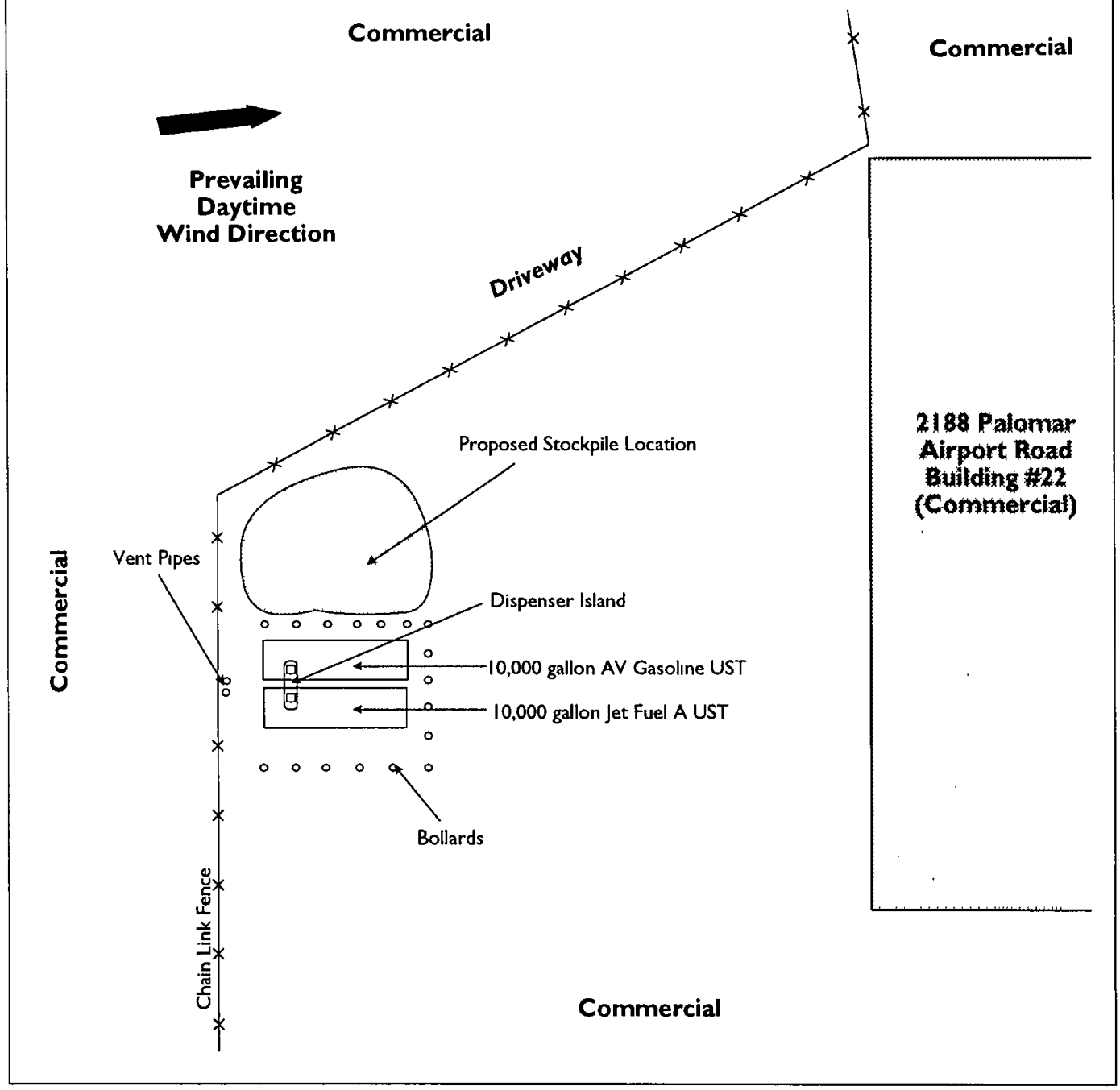
SITE MAP 2188 PALOMAR AIRPORT RD.
SCALE 1" = 20'

2188 PALOMAR
AIR PORT Rd.
CARLSBOD, CA
BUILDING # 22



CITY OF CARLSBAD
APPROVED
Colleen Balch
Fire Dept.
9/17/97

McCLELLAN-PALOMAR
AIRPORT



0 15 30 45

Approximate Graphic Scale in Feet

North

Disclaimer This figure is an interpretation based on available data.
Actual conditions may differ All locations and dimensions are approximate.

ENVIRONMENTAL BUSINESS SOLUTIONS, Inc.

"Providing Economic Environmental Solutions to the Business Community"

SITE PLAN
2188 Palomar Airport Road
Carlsbad, California

Project No.
95E1353.12

Figure 1

PUBLIC NOTIFICATION
THIS SITE IS CLOSED TO THE PUBLIC

A underground storage tank (UST) removal and soil excavation program is being performed at this Site 2188 Palomar Airport Road, Carlsbad, CA 92008. Activities will include UST removal, soil sampling, and possibly soil excavation and stockpiling. Activities will be conducted on October 13-17, 1997. Onsite work will be limited to business hours, approximately 7:00 AM to 5:00 PM. Primary potential hazards include physical and chemical hazards associated with Site work, such as heavy equipment and petroleum vapors. Precautions will be taken during the UST removal/excavation activities to restrict Site access. In addition, precautions will be taken to minimize vapors, and air monitoring will frequently be performed.

IF EXCESSIVE ODORS, NOISE, OR OTHER SAFETY CONCERNS ARE NOTED AT THIS SITE, PLEASE CONTACT THE FOLLOWING PEOPLE.

CONTRACTOR

CET/WESTERN PUMP
MR. MATTHEW BODDE
(619) 239-9988

If further assistance is required, please contact the following agencies:

Local Police, Fire Department
911

San Diego County Health Department
(619) 338-2222

Air Pollution Control Division
(619) 694-3340

PROPOSITION 65 WARNING: This Site may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

County of San Diego

DEPARTMENT OF PUBLIC WORKS

5555 OVERLAND AVE, SAN DIEGO, CALIFORNIA 92123-1295

DIRECTOR
(619) 694-2212
FAX. (619) 268-0461
LOCATION CODE S50

COUNTY ENGINEER
COUNTY AIRPORTS
COUNTY ROAD COMMISSIONER
TRANSIT SERVICES
COUNTY SURVEYOR
FLOOD CONTROL
WASTEWATER MANAGEMENT
SOLID WASTE

October 27, 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 389 444 729

Mr. Theodore L. Vallas
2192 Palomar Airport Road
Carlsbad, CA 92009

MCCLELLAN-PALOMAR AIRPORT - THEODORE L. VALLAS - COUNTY CONTRACT NO. 7128OR - REMOVAL OF TWO (2) UNDERGROUND STORAGE TANKS

As you know, County Airports has an urgent need for the property that the subject tanks occupy. Airport Staff is pleased that you are proceeding with your obligation to remove the tanks and that excavation is near. We have been in contact with your contractor, Western Pump, in an effort to coordinate his tank removal activities and permit the Airport to provide safe and uninterrupted service to the flying public. We understand that Western Pump has only been retained for the tank excavation and that if there is contamination, you will have to negotiate a new contract.

In order to minimize the period of time any contractor and their subcontractors are involved with the tank removal and any remediation activities that may be required, we request your cooperation in requiring the contractor and their subcontractors to follow the requirements described below.

1. FENCING

a) A temporary 6' chainlink fence will be placed around the perimeter of the excavation site and be removed only with the direction and to the satisfaction of Floyd Best, Airport Manager ("Airport Manager").

b) The Airport Manager met with Matthew Bodde, Project Manager of Western Pump, and identified a portion of the Airports fencing that can be rolled back during excavation. The Airports fence will be returned to its original condition to the satisfaction of the Airport Manager.

2. SURROUNDING AIRPORT PROPERTY

Western Pump is aware that automobile parking and driveways surround his excavation site. Any temporary obstruction of these areas outside the excavation site will be coordinated with the Airport Manager.

3. SOIL REPORTS AND MANIFESTS

a) Copies of all soil test results, reports, tank manifest, clean out water manifest, and soil disposal manifests will be delivered to Airport Manager at 2198 Palomar Airport Road, Carlsbad, CA 92008 within twenty-four hours (24) that they are available.

b) If there is contamination, within thirty (30) days after soil tests results indicated contamination and **prior** to submittal of additional site assessment and mitigation workplans to HHMD, these workplans will be delivered to the Airport Manager for review and comment.

4. STOCK PILES

a) **Clean Backfill.** The soil used for backfill after the tank is removed will be brought on site when it can be immediately place in the excavated area. There will be no stockpiling of clean backfill.

b) **Contamination.**

If stockpile categorization is required to determine the extent of the contamination or other aspects of the remediation, the contaminated soil (contamination) may be allowed to remain on the Premises for one week (five working days) from the date of excavation and/or the date that HHMD inspected the excavation.

i) On-site storage. During that week, the contamination will be stored and covered to prevent wind erosion and site runoff.

☐ All stored soil will be placed upon a 10 mil thick plastic sheeting and be surrounded by a 2-foot high containment berm.

☐ The berm will also be covered by 10 mil thick plastic sheeting.

☐ The 10 mil thick plastic sheeting will also completely cover the stored soil and be made secure to resist any uplift and removal by wind.

ii) Labeling. The contamination will also be properly labeled of the health risk.

iii) Contamination Removal. At the end of the week that the contamination is stored on the Premises, the contamination will be removed from the Premises in accordance with the hazardous materials laws concerning transporting and disposing of hazardous materials. Copies of all manifests of the soil removal will be delivered in accordance with Item 3 above. At that time, the pit will be filled with non-expansive soil compacted to 90% compaction and covered with asphalt to the satisfaction of the Airport Manager.

5. CLOSURE REPORT.
Upon completion of the excavation and/or remediation, a closure report will be delivered to the Airport Manager. The temporary chainlink fence will be removed upon the direction of the Airport Manager.

6. INSURANCE
Prior to the commencement of the excavation and/or remediation, any contractor and subcontractors will provide Certificates of Insurance to the Airport Manager for Commercial General Liability Insurance. The policy must be written on an "occurrence basis" and in amounts of not less than $2,000,000 each occurrence. This policy will name the County of San Diego as an "Additional Insured.

If you agree and concur with the requirements herein, please sign below and return this letter to Airports in the stamped self-addressed envelope by November 3, 1997. Please retain a copy of this letter for your records.

We appreciate your cooperation in this matter. If you have any questions concerning these requirements, please contact Lynn Parrish at (619) 596-3919 or Floyd Best at (760) 431-4646.

Sincerely,

TIMOTHY A. WALSH, Assistant Deputy Director
Department of Public Works

Enclosures

cc: Airport Manager (N137); Larry Horseman (O90); Mark McPherson, HHMD (D561); Chuck Praytel, SAM (D561); Richard M. Kipperman, Trustee, P.O. Box 3939, La Mesa, CA 91944; City of Carlsbad Fire Department, 2560 Orion Way, Carlsbad, CA 92008, Attn: Mike Smith, Fire Marshall; Michael E. Busch and William Rathbone, Esq., Page & Busch, LLP, 401 "B" Street, Suite 2100, San Diego,CA 92101

I agree to require my contractor and any subcontractors that may be hired to remove the underground storage tanks to adhere to the requirements stated above.

_____ _____

Theodore L. Vallas Date

FILE WORK SHEET

H 21741 - ___
AT3928

Remove 2 Usts

DATE	COMMENTS	INITIALS
10/15/97	Rec'd 425 - ck # 21303 dated 9-30-97	
	for R/2	CA
10/31/97	PLANS APPROVED REMOVE TWO TANKS	
OCT 31 1997	Notified Matt Bodde of approval + mailed	CA
	Removal wkplan copy to B. Pulver	CA
11/4/97	Released permit Matt Bodde	CA
11/7/97	Sched Laurie on 11-12-97 @ 9am for R/2	CA
12/10/97	EDP TO REMOVE TWO TANKS TOO1, TOO2	MDV

H21971

RECEIVED
Dec 8 11 42 AM '97
ENVIRONMENTAL
HEALTH SERVICES

WESTERN PUMP PROJECT #21741-3928
AIR RESORTS AIRLINE
2188 PALOMAR AIRPORT ROAD
CARLSBAD, CA

TEG Project #971112-9

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
METHOD BLANK	11/12/97	ND	ND
T2-E-13	11/12/97	ND	ND
T2-E-13 DUP	11/12/97	ND	ND
T1-E-14	11/12/97	1,220 *	ND
T2-W-13	11/12/97	958 *	3,784 **
T1-W-13	11/12/97	1,348 *	2,772 **
DETECTION LIMITS		10	10

* HYDROCARBONS PRESENT IN GASOLINE-RANGE, BUT ARE INDICATIVE OF "AV GAS"

** HYDROCARBONS PRESENT IN DIESEL-RANGE, BUT ARE INDICATIVE OF KEROSENE

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)

ANALYSES PERFORMED BY MR JIM LIGGETT

DATA REVIEWED BY Sharon Hartman 11/24/97

QA/QC REPORT - CALIBRATION DATA

TEG Project #971112-9
DAILY CALIBRATION DATE 11/12/97

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	660 - 660000	5/20/97	0 444	12 3%	271	0.452	1 8%	266	0 443	0 2%
TPH GASOLINE - FID2	20 - 20000	660 - 660000	5/20/97	0 484	12 0%	270	0 450	7 0%	311	0 518	7 2%
TPH GASOLINE - FID3	20 - 20000	660 - 660000	5/20/97	0 621	3 0%	387	0 644	3 7%	411	0 684	10 2%
TPH DIESEL - FID1	50 - 50000	1650 - 1650000	5/20/97	0.238	5 8%	311	0 207	12.8%	378	0 252	5 9%
TPH DIESEL - FID2	50 - 50000	1650 - 1650000	5/20/97	0 266	5 0%	362	0 241	9 1%	393	0 262	1 4%
TPH DIESEL - FID3	50 - 50000	1650 - 1650000	5/20/97	0 327	2 6%	458	0 305	6 7%	471	0 314	4 1%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY MR JIM LIGGETT
DATA REVIEWED BY.

Wayne Hanson
11-21-97

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 11/12/97
TEG Project #971112-9

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TPH GASOLINE	200	195	97.5%	196	98 0%	0.5%	15%	82% - 122%
TPH DIESEL	500	438	87.6%	460	92 0%	4.9%	15%	72% - 112%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY:

Blaque Hoffman
11-21-97

619-239-9988
619-239-9925 (fax)

County of San Diego

SAM Chain-of-Custody Record

Date 11/12/97 Page 1 of 1

Project Name AIR RESORTS AIRLINE
Reference 2188 PALOMAR AIRPORT RD
Address CARLSBAD

Samplers Signature Matt J Bodde
Lab To Be Used TEG

SAMPLE NO.	DATE	TIME	LOCATION	TPH FULL RANGE DOHS METHOD	TRPH EPA 418.1	BTXE (8020/602)	HALOGENATED (8010/601)			SOLID	LIQUID	GRAB	COMPOSITE	NO. OF CONTAINERS	COMMENTS
T2-E-13	11/12	10:40	TANK 2 - EAST END	X						X		X		1	NO ODORS
T1-E-14	11/12	10:47	TANK 1 - EAST END	X						X		X		1	SLIGHT ODOR *
T2-W-13	11/12	11:00	TANK 2 - WEST END	X						X		X		1	SLIGHT ODORS *
T1-W-13	11/12	11:10	TANK 1 - WEST END	X						X		X		1	SLIGHT ODORS *
															* NOTE: NOT
															PETROLEUM ODORS

ANALYSIS REQUESTED

SAMPLE TYPE

COPY OF LAB RESULTS MUST BE SENT TO:
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

1 RELINQUISHED BY	Date	2 RELINQUISHED BY	Date	3 RELINQUISHED BY	Date
Signature Matt Bodde	11/12/97	Signature		Signature	
Printed Name MATT BODDE	Time 11:50	Printed Name	Time	Printed Name	Time
Company Western Env		Company		Company	
RECEIVED BY Maryann Thorpe	Date 11/12/97	RECEIVED BY	Date	RECEIVED BY (LAB)	Date
Signature MARY ANN THORPE	Time 11:50	Signature		Signature	
Printed Name TEG		Printed Name	Time	Printed Name	Time
Company		Company		Company	

4 TOTAL NO. OF CONTAINERS

Sample Conditions
Received On Ice (Yes/No)
Tape Seal Intact (Yes/No)

Special Shipment/Handling Or Storage Requirements:
Same day turnaround

Split Sample Location

Site Identification
H# 21741 AT# 3928
SAM L. APECECHEA

Distribution: White - Laboratory
Yellow - Contractor/Responsible Party
Pink - SAM

DHS:HM-999 (Rev. 6/94)

County of San Diego
Department of Health Services

UNDERGROUND STORAGE TANK INSPECTION SCHEDULE

DATE 11-7-97 EST.#H 21741 PLAN CHECK # AT3928

SPECIALIST: Laurie FROM: Christine

INSPECTION DAY/DATE/TIME: Wed 11-12-97 @ 9AM

SITE NAME: Air Resorts Airline

SITE ADDRESS: 2188 Palomar Airport Rd - Bldg 22 - Carlsbad

CONTRACTOR: Western Pump

CONTACT: Matt Bodde PHONE#(619) 239-9988 x218

TYPE OF INSPECTION

CLOSURE BY REMOVAL ☑ R/2 CLOSURE IN PLACE ☐

SOIL SAMPLING ☐ PRESSURE TEST ☐ OTHER ☐ _____

MONITORING EQUIPMENT AND INTEGRITY TEST VERIFICATION ☐

SPECIAL INSTRUCTIONS: _____

REINSPECTION FEE DUE ☐ UPDATED PLANS REQUIRED ☐

SPECIALIST REMARKS: LAB RESULTS REQUIRED

(4/93)

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
SITE ASSESSMENT AND MITIGATION DIVISION

PLAN CHECK #H21741

EST #AT3928

DATE:10/31/97

PLAN CHECK CORRECTIONS AND COMMENTS FOR UNDERGROUND STORAGE TANK FACILITY

SITE NAME: Palomar Airport/Ted Vallas/Western Pump

SITE ADDRESS:2188 palomar Airport Road Building #22, Carlsbad, CA 92008

DESCRIPTION OF PROPOSED WORK: Removal of Two Underground Storage Tanks Systems

- For tank systems that are to be removed, the excavation shall be exposed prior to the scheduled inspection and sampling points identified by the Site Assessment and Mitigation Division (SAM) inspector. Sampling is required for both tank and piping. The tank must remain in the excavation until the SAM inspector approves the removal.

- This office must be given 48 hour notice for all required Underground Storage Tank Activity. Please contact the Site Assessment and Mitigation Division, Plan Check desk at (619) 338-2214 to schedule or cancel inspections.

NOTE: WORKPLAN APPROVED WITH MODIFICATIONS SUBMITTED IN LETTER TO THEODORE VALLA DATED OCTOBER 27, 1997, SIGNED BY TIMOTHY A. WALSH, ASSISTANT DEPUTY DIRECTOR, DEPARTMENT OF PUBLIC WORKS. THESE REQUIREMENTS MUST BE SATISFIED IN ADDITION TO THOSE IN THE POST TANK REMOVAL WORKPLAN DATED OCTOBER 1, 1997.

Plans Reviewed and Approved By: MIKE VERHOTT Date: 10/31/97

Notified OCT 31 1997

PERMIT APPLICATION RECEIVED
PART I
GENERAL PROJECT INFORMATION OCT 6 12 54 PM '97
UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

OFFICE USE ONLY
EST#: H21741
PLAN CK#: AT3928
DATE RECEIVED: 10-6-97
FEE PAID: 425.00
PLAN APPROVAL: 10-31-97
HYDRO UNIT:
BENEF. USE: VEH

AIR Resorts Airline ORIG

A. SITE ADDRESS: 2188 Palomar Airport Road Building # 22
City Carlsbad, CA Zip 92008

B. PROPERTY OWNER:
Assessors Parcel No. 213020 Parcel 1A
Company County of San Diego Contact Paula Darland
Mailing Address 11960 Joe Crosson Dr. City El Cajon State CA Zip 92020
Phone (619) 596-3906
24 Hr. Emergency Contact Floyd Best (Airport Manager) Phone (760) 431-4646

C. TANK OPERATOR:
Company Ted Vallas Individual Contact Ted Vallas
Mailing Address 2192 Palomar Airport Road City Carlsbad, CA Zip 92008
Phone (619) 438-3600
24 Hr. Emergency Contact Ted Vallas Phone (760) 436-8919

D. CONTRACTOR:
Primary Contractor Western Pump, Inc. Contact Matthew Bodde
Mailing Address 3235 "F" Street City San Diego Zip 92102-3315
Phone (619) 239-9988 ext. 218
State Contractor License 673853
Hazardous Substances Certificate C61/D40 HAZ
Worker's Compensation Insurance Company Westland Insurance Brokers

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS

Submit one (1) original and two (2) copies of this application package, including plan drawings with the required fee to the Department of Environmental Health, Site Assessment and Mitigation Division (SAM). 1255 Imperial Avenue, San Diego, CA 92101. Or mail to P. O. Box 85261, San Diego, CA 92186-5261. Checks should be made payable to the County of San Diego.

A permit will be issued by SAM upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in the application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit is issued.

Once the permit has been issued, it is the responsibility of the permittee to notify SAM at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II, III, IV, & V).

F. PROJECT WORK TO BE COMPLETED: Check Applicable Box	COMPLETE APPLICATION PARTS	FEE CODE TABLE G
☐ Installation/Construction of new tank(s) systems only (without closing any existing tanks)	I & II	1
☐ Closure of existing tank(s) systems with installation of new tanks (tank replacement)	I, II & III	1 & 2
☒ Closure of existing tank(s) systems with no new tank installation	I & III	2
☐ Interior coating/repair of an existing underground storage tank	I & IV	3
☐ Repipe/pipe-repair of an existing underground storage tank facility	I & V	4
☐ Installation/Construction of vaulted tanks	VI	5

G. FEES: The fee shown below covers plan review, plan re-review and approval. The required field inspections and the first year's operating permit fees. Use the appropriate Fee Code as determined in Section F above.

FEE CODE		
1	Installation fee for first tanks $600.00	Fee: $
	Installation fee for each additional tank No. _____ X $100.00	Fee: $
	Establishment Base Fee $160.00 (Applies to establishments not currently under permit with DEH)	Fee: $
	Operating Permit Fee per tank No. _____ X $120.00 (Does not apply to replacement tanks if the existing tank to be replaced has paid current operating permit fees)	Fee: $
	State Surcharge per tank No. _____ X $56.00	Fee: $
2	Closure fee for first tank $375.00	Fee: $ 375.00
	Closure fee for each additional tank No. 1 X $50.00	Fee: $ 50.00
3	Repair/Interior coating fee for first tank $600.00	Fee: $
	Repair/Interior coating fee for each additional tank No. _____ X $100.00	Fee: $
4	Repipe/Pipe-repair of an existing tank facility $600.00	Fee: $
5	Consultation fee (e.g. vaulted tank: minimum 2 hours) _____ Hours X 80.00	Fee: $
6	Re-inspection fee $300.00	Fee: $
	Plan Re-Review $200.00	Fee: $
		TOTAL FEE: $ 425.00

I. PERMITS REQUIRED BY OTHER AGENCIES

FIRE DEPARTMENT X APCD _____ BUILDING DEPARTMENT _____ OTHER _____

Provide copies of approved applications from these departments and others if needed.

PERMIT APPLICATION
PART III
APPLICATION FOR PERMIT TO CLOSE UNDERGROUND STORAGE TANK SYSTEM

A. TOTAL NUMBER OF TANK SYSTEMS TO BE CLOSED 2
NOTE: UST SYSTEMS INCLUDE TANK AND ALL ASSOCIATED PIPING.

B. DESCRIPTION OF TANKS TO BE CLOSED:

TANK NO.	CAPACITY	DATE INSTALLED	TANK COMPOSITION	TANK PRESENTLY IN USE?	MATERIALS STORED IN TANK
1	10,000	UNKNOWN	STEEL	NO	AV GAS
2	10,000	UNKNOWN	STEEL	NO	JET FUEL

HAS THE TANK SYSTEM EVER FAILED OR LEAKED? YES ☐ NO ☒ UNKNOWN ☐

D. REASON FOR TANKS TO BE CLOSED:

☐ Meet current state/federal requirements

☐ Replacement of existing tanks

☒ Tank system failure, briefly describe LOSS OF GROUND LEASE WITH COUNTY OF SAN DIEGO. LEASE TERMS REQUIRED TANK REMOVALS.

☐ Other, briefly describe _____

E. PREVIOUS OWNERS AND OPERATORS OF THE TANKS:

Dates	Owner/Operator

F. PROPOSED METHOD OF CLOSURE: ☒ REMOVAL ☐ CLOSURE IN PLACE

SAMPLING PROTOCOL Tank owner/authorized representative responsible for all sampling analyses and associated costs.

- for tank systems that are to be removed. The excavation shall be exposed prior to the scheduled inspection and sampling points identified by the SAM inspector. Sampling is required for both tank and piping. The tank and piping must remain in the excavation until the SAM inspector approves the removal.
- tank systems to be closed in place. Submit an alternate plan which must include soil sampling, reason for closing the tank system in place and type of material to be used to fill the tank. Soil sampling and/or hydrostatic testing is also required for piping closures. Tank system closure in place will only be considered after evaluating the risks and hazards if the tank system were removed.

G. DISPOSAL SITE OF TANK: ADAMS STEEL, 3200 E. FRONTERA, ANAHEIM, CA

Note: You must inform SAM of the address of where the tank and piping is to be disposed. Plans will be disapproved without this information.

H. ATTACH THREE COPIES OF PLANS SHOWING THE FOLLOWING:

1. Property lines, site address, scale, north arrow.
2. Location of all existing structures.
3. Location of all existing underground storage tank facilities.
4. Location of underground storage tanks and piping to be closed.
5. Location of underground utility lines and vaults.

I. REQUIRED INSPECTION-PERMIT TO CLOSE

A representative from SAM must be on site at the time the tank(s) are closed.

1. TANK SYSTEM CLOSURE BY REMOVAL:
   - excavation shall be exposed prior to the scheduled inspection. The tank owner/authorized representative on site must submit a uniform hazardous waste manifest demonstrating that the tank has been properly decontaminated. A combustible gas instrument and soil sampling equipment must be on site. The SAM inspector will identify sampling points. The tank and piping must remain in the excavation until SAM approves the removal.
2. TANK SYSTEM CLOSURE IN PLACE:
   - after approval of the alternate plan, the tank owner/authorized representative on site shall submit a uniform hazardous waste manifest demonstrating that the tank has been properly decontaminated. The SAM inspector shall verify that the tank system has been properly emptied and will witness the filling with an approved inert substance. Piping approved to be closed in place by hydrostatic testing shall also be witnessed by SAM.

J. DECLARATION

I declare that to the best of my knowledge and belief, the statements and information provided are correct and true. I understand that information in addition to that provided above may be needed in order to obtain final approval by the Site Assessment and Mitigation Division.

I understand that tests and procedures that may be required by other departments and agencies to demonstrate adequate site safety or suitability for further development (e.g. soil compaction testing) are in addition to the requirements of the Site Assessment and Mitigation Division.

I will notify the Site Assessment and Mitigation Division at least two working days (48 hours) before work is to begin in order to schedule the required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared or assumed by the County of San Diego.

SIGNATURE & TITLE Matt J Bodde PROJECT MANAGER

PRINT NAME MATTHEW BODDE

TELEPHONE (619) 239-9988 EXT. 218 DATE 9/17/97

SITE ASSESSMENT AND MITIGATION DIVISION

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT

ESTABLISHMENT NO. 21741 PLAN CHECK NO. 3928

SITE NAME AIR RESORTS AIRLINE PHONE _____

SITE ADDRESS 2188 PALOMAR ROAD CITY CARLSBAD ZIP 92008

CONTRACTOR WESTERN PUMP PHONE 239-9988

Number of tanks to be removed 1 (2) 3 4 5 6 7 8 ___

Decontamination by NIETO & SONS TRUCKING

Manifest No. 96763589

Tank rinsate/(amount & destination) 400 G TO D.K.

FIRE AGENCY PRESENT (YES) NO

Dept. CARLSBAD FIRE

Permit No. LAURA BEDNAR

Inspector [redacted] 931-2121

Tank ID No.	T001	T002			REMARKS
Capacity	10,000	10,000			(1) TAR WRAPPED - SLIGHT
Tank Construction	STEEL	STEEL			CORROSION ON BOTTOM
Materials stored	AV GAS	JET FUEL			NO HOLES.
% L.E.L.	0%	2%			(2) TAR WRAPPED - SLIGHT
Dry ice/other (amt.)	150	150			CORROSION
Tank condition	(1)	(2)			NO HOLES
Backfill soil type	GREY	SAND			
Backfill condition	NO ODORS				NOTE: OBSERVED
Native soil type	REDDISH	SILTY SAND			LAYERS OF FILL
Native condition	NO ODORS				AT DEPTH.
Excavation odors?	SLIGHT	SLIGHT			
Stockpile odors?	NO	NO			NOTE: POST-TANK
Water present?	NO	NO			REMOVAL INVESTIGATION
Ponded product?	NO	NO			WORKPLAN SUBMITTED
Piping removed?	YES	(10 FEET)			

REINSPECTION REQUIRED YES (NO) If yes, explain

NOTICE: You are hereby notified that on 11/12/97, a Hazardous Materials Specialist conducted an inspection for the closure of TWO hazardous substance underground storage tank(s). A summary of the conditions follows:

☐ An **unauthorized release** of a hazardous substance has been observed by the Hazardous Materials Specialist. You are hereby required to initiate **Corrective Action** measures (see Page 4 for details).

☒ A determination of this site's status is pending the Site Assessment and Mitigation Division's (SAM) receipt and review of analytical results for the samples taken from the tank and/or piping closure site. A laboratory report must be submitted to SAM within **30** days. Please request that the laboratory send a copy of the analytical report directly to MIKE VERNETTI at the address provided below.

SAM Division has completed its review of the analytical results for samples collected at the tank closure site and has determined the following:

☐ **TANK CLOSURE COMPLETE - NO FURTHER ACTION REQUIRED**

☒ **INITIATE CORRECTIVE ACTION MEASURES** (See enclosed information)

Approved by: L. APECECHEA Date Reviewed: 11/18/97 Supervisor (initial): MDV

RECEIVED BY Matthew Bodde

PRINTED NAME MATTHEW BODDE

PHONE NUMBER (619) 239-9988

Laurie Apecechea
Hazardous Materials Specialist
SAM - P.O. Box 85261
San Diego, CA 92186-5261 (619) 338-2222

DISTRIBUTION: WHITE-RETURN TO SAM
YELLOW-BUSINESS RETAINS

Type(s) of hazardous substance(s) released (mark all that apply):

☐ Gasoline ☐ Diesel ☐ Waste oil ☐ Other _____

Is hazardous material ponded? ☐ Yes* ☐ No *Estimated amount? _____

Estimated depth to groundwater below this site: _____ feet Beneficial use? ☐ Yes ☐ No

SOIL CONDITIONS (Odors, Staining, Volume):

Describe backfill and its condition: _____

Describe native soil and its condition: _____

How was hazardous substance released? _____

Tank condition (holes, corrosion, wrapping, seams, evidence of overfill) _____

Estimated length of piping removed? _____ feet Date tanks last used?

Nearby water wells or surface waters? ☐ Yes* ☐ None noted

*Describe _____

Any known sensitive receptors, i.e., underground vaults, utilities or basements nearby? ☐ Yes* ☐ None noted

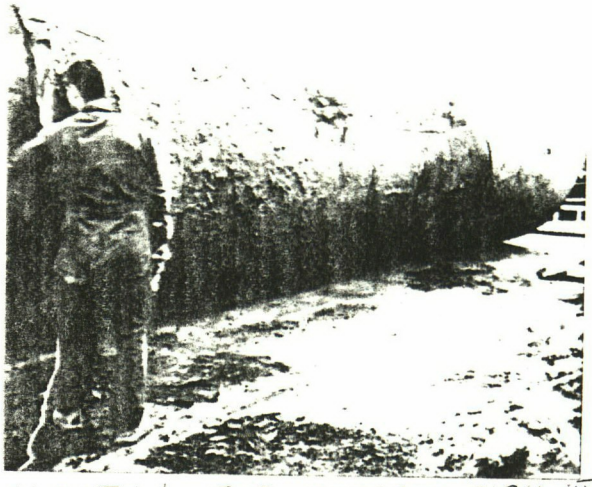
*Describe _____

COMMENTS: _____

County of San Diego
Department of Health Services
Environmental Health Services



H21741 AIR RESORTS AIRLINE
2188 PALOMAR AIRPORT RD.
TANK 2 ON FLAT BED TRUCK
11/12/97 L. APECECHEA



H21741 AIR RESORTS AIRLINE
2188 PALOMAR AIRPORT RD.
TANK 1 OUT OF THE GROUND
11/12/97. L. APECECHEA

FIELD NOTES

Date: 11/12/97

H 21741

AT/NT 3928

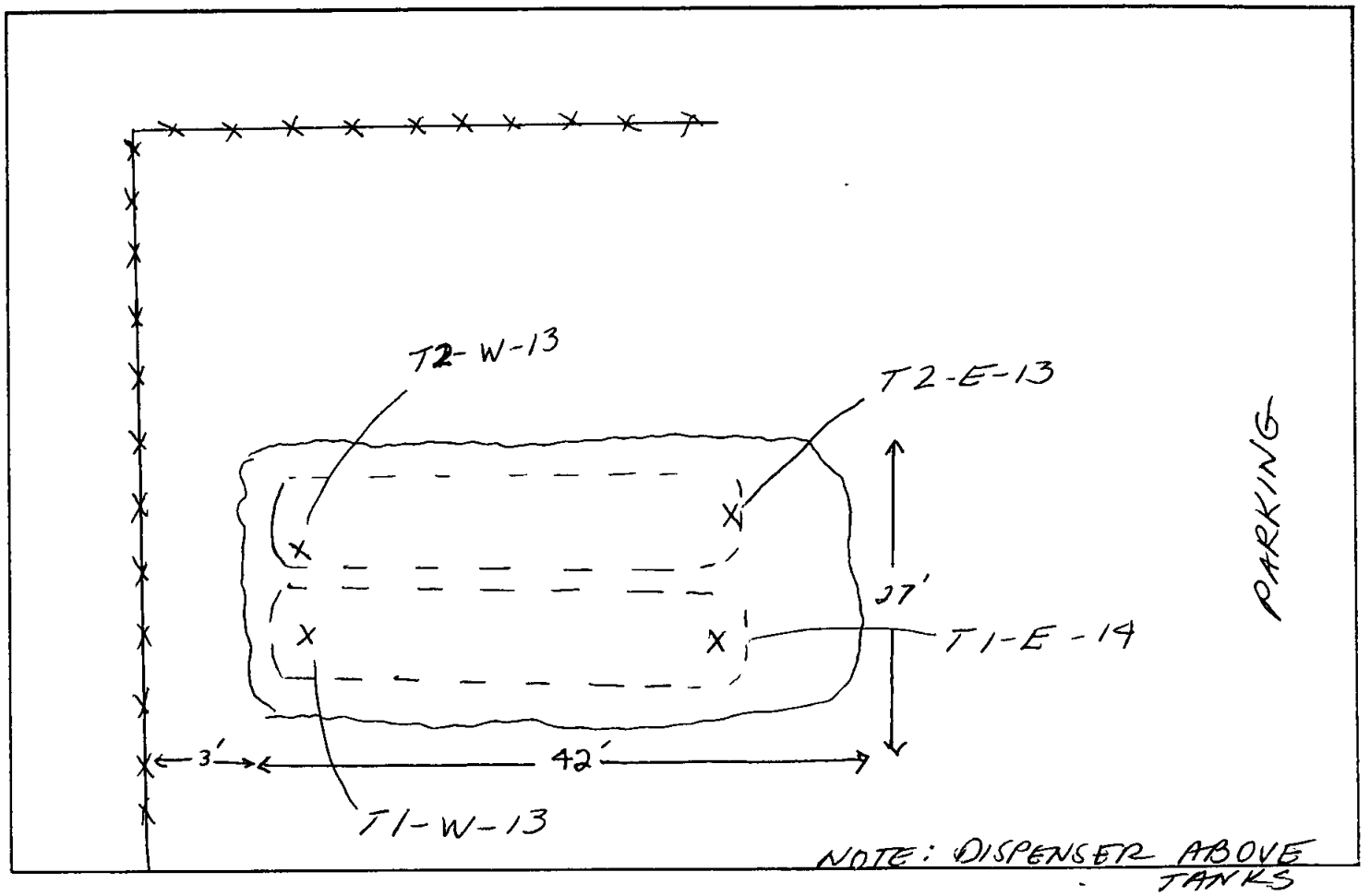
Tank(s) last used: [redacted] RECENT

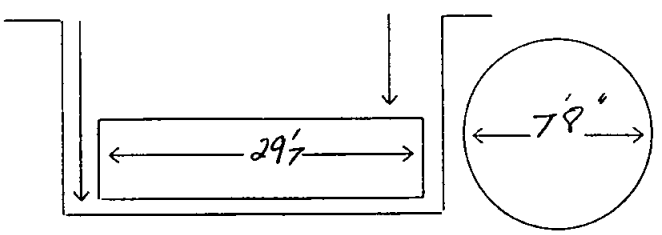
Approx. age of tank(s): UNKNOWN

Tank(s) destination: ADAMS STEEL (ANAHEIM)

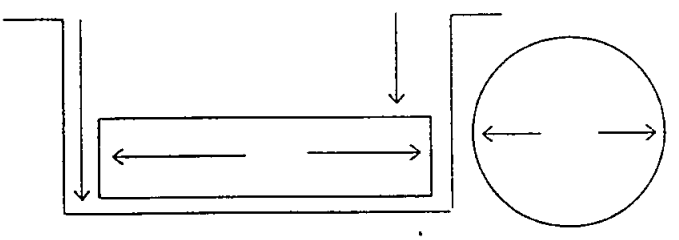
Manifest #: _____ Gallons: _____ to: _____

Decontamination by: _____ lbs. dry ice: (1) _____ (2) _____ (3) _____ (4) _____

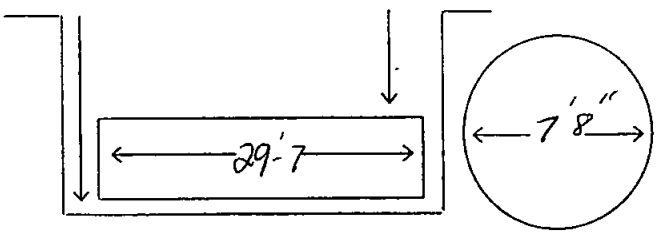




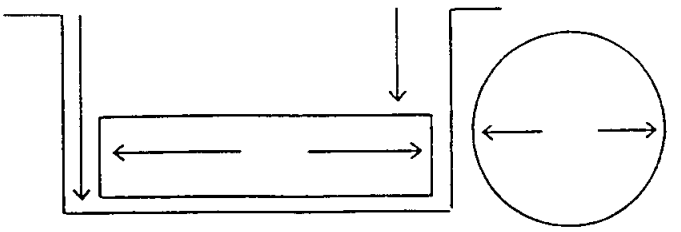
TANK 1



TANK 3



TANK 2



TANK 4

County of San Diego

SAM Chain-of-Custody Record

Date 11/12/97 Page 1 of 1

Project Name AIR RESORTS AIRLINE
Reference 2188 PALOMAR AIRPORT RD
Address CARLSBAD

Samplers Signature [signature]
Lab To Be Used TEG-0

SAMPLE NO.	DATE	TIME	LOCATION	ANALYSIS REQUESTED: TPH FULL RANGE DOHS METHOD	TRPH EPA 418.1	BTXE (8020/602)	HALOGENATED (8010/601)			SAMPLE TYPE: SOLID	LIQUID	GRAB	COMPOSITE	NO. OF CONTAINERS	COMMENTS
T2-E-13	11/12	10:40	TANK 2 - EAST END	X						X		X		1	NO ODORS
T1-E-14	11/12	10:47	TANK 1 - EAST END	X						X		X		1	SLIGHT ODOR *
T2-W-13	11/12	11:00	TANK 2 - WEST END	X						X		X		1	SLIGHT ODORS *
T1-W-13	11/12	11:10	TANK 1 - WEST END	X						X		X		1	SLIGHT ODORS *
															* NOTE: NOT
															PETROLEUM ODORS

1 RELINQUISHED BY	Date	2 RELINQUISHED BY	Date	3 RELINQUISHED BY	Date
Signature		Signature		Signature	
Printed Name	Time	Printed Name	Time	Printed Name	Time
Company		Company		Company	
RECEIVED BY	Date	RECEIVED BY	Date	RECEIVED BY (LAB)	Date
Signature		Signature		Signature	
Printed Name	Time	Printed Name	Time	Printed Name	Time
Company		Company		Company	

4 TOTAL NO. OF CONTAINERS

Sample Conditions
Received On Ice Yes/No
Tape Seal Intact Yes/No

Special Shipment/Handling Or Storage Requirements:

Split Sample Location

Site Identification
H# 21741 AT# 3928

SAM L. APECECHEA

Distribution: White - Laboratory
Yellow - Contractor/Responsible Party
Pink - SAM

DHS:HM-999 (Rev. 6/94)

County of San Diego
Department of Health Services

COPY OF LAB RESULTS MUST BE SENT TO:
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

EST. H# H21741

PLAN CHECK #_____

WORKPLAN
FOR
UNDERGROUND STORAGE TANK CLOSURE

1. Site Name PALOMAR AIRPORT PARKING LOT, FORMALLY FLIGHT TRAILS

2. Site Address 2188 PALOMAR AIRPORT ROAD

CARLSBAD, CA 92008

3. Describe the existing land use in the surrounding area. (residential, commercial, schools) Describe the locations of nearest receptors and the prevailing wind.

AIRPORT (COMMERCIAL) AREA IS CURRENTLY BEING UTILIZED AS A PARKING LOT. PREVAILING WIND SOUTHWESTERLY.

4. Explain how the excavation will be secured. Describe fencing/site security and other methods that insure public safety.

WESTERN PUMP, INC. PERSONNEL WILL CONTROL ACCESS TO THE WORK ZONE BARRICADES AND TEMPORARY FENCING WILL BE UTILIZED AROUND THE EXCAVATION EXCLUSION AND SUPPORT ZONES WILL BE CLEARLY MARK.

5. If soil is to be stockpiled, describe the location on the Plan Check map. Describe method of soil containment (berming/covers, run-off control).

CONTAMINATED STOCKPILES WILL BE UNDERLAID WITH ELASTIC SHEETING AND BERMED, AT THE END OF EACH WORKDAY, ALL STOCKPILES WILL BE COVERED WITH PLASTIC TO CONTROL FUGATIVE EMISSIONS OF DUST PARTICLES. STOCKPILES WILL BE LOCATED ADJACENT TO EXCAVATION.

6. Do you plan to conduct site assessment or remedial work beyond what is necessary to remove the underground storage tank(s) and perform the mandatory soil sampling required by the Environmental Health Services?

[XX] Yes [ ] No

If Yes, a Workplan for Post-Tank Removal Investigation must be completed under the direction of a registered professional.

Signature Matthew J Bordda

Title Project Manager

Telephone (619) 239-9988 EXT 218 Date 10-1-97

Theodore L. Vallas
Owner

DEH:HM-9176 (1/95)

County of San Diego
Department of Environmental Health

****Office Use Only****
Establishment No. #H 21741
Plan Check # AT3928
DEH Inspector

WORKPLAN

Complete this Workplan only if you intend to utilize a backhoe to investigate the extent of hydrocarbon contamination within 72 hours of the removal of an underground storage tank (UST). This site investigation work must be implemented in accordance with the DEH-SAM Manual and under the direction of an appropriately Registered Geologist (RG), Certified Engineering Geologist (CEG) or Registered Civil Engineer (RCE). A complete site assessment report, signed by the above referenced registered professional, must be submitted to DEH within 60 days of the date of the field investigation. This workplan must be signed by the above referenced registered professional.

1 Establishment Name/Address

Palomar Airport, 2188 Palomar Airport Road, Building # 22, Carlsbad, California 92008

2. Contractor, Contact & Phone No.

Western Pump/CET, 3235 F Street, San Diego, California 92102, Mr Matt Bodde, 239-9988, ext. 218

Environmental Consultant, Contact & Phone No.

Environmental Business Solutions, Inc. (EBS), 8799 Balboa Avenue, Suite 290, San Diego, CA 92123

Mr. Barry Pulver, CEG, (619) 571-5500 ext. 232

Registered Professional (defined above) & Phone No

Mr. Barry Pulver (EBS), (619) 571-5500 ext 232 (CEG 1364)

3. Describe how the backhoe will be utilized to conduct the site investigation (ie potholing, trenching, etc.) and estimate the maximum quantity of soil to be excavated.

Trenches and/or potholes will be excavated in the vicinity of the USTs to assess the horizontal and and vertical extent of petroleum hydrocarbon-bearing soil (if any) in the vicinity of the USTs. A maximum of up to 75 yards of soil will be excavated from the UST excavation where additional assessment is conducted.

4 Describe the soil sa[redacted]c collection methods and laboratory analyses [redacted]e used (reference Section 4. B. 1. of the SAM Manual) Soil analysis must be performed by a Californi[redacted]TSC Certified Laboratory.

Soil samples will be collected in general accordance with the guidelines set forth in the SAM Manual. Soil samples will either be collected from the "teeth" of the backhoe bucket and packed into laboratory-supplied glass jars, or collected in brass sleeves with a manual drive sampler. In the case that soil samples are collected in brass sleeves, the sleeves will be covered with Teflon tape and capped. Samples will be transported to a California State-certified mobile laboratory under chain-of-custody protocol and tested in accordance with the appropriate analytical method detailed in the 1997 SAM manual.

5 Attach a site drawing (to scale) which includes at a minimum: site structures, subsurface utility lines and fuel lines, UST(s) location, site investigation area, stockpiled soil area, prevailing wind direction, adjacent street and property uses, subsurface water and wells.

A site drawing is attached

6 Describe methods to monitor and control hydrocarbon vapor emissions at the excavation site.

The excavated soil will be placed on and covered with 10 mil plastic sheeting. We will also be monitoring vapors with a photoionization detector at periodic intervals (generally not exceeding 15 minutes) and will have available for use benzene-specific draeger tubes. Should organic vapors be judged excessive during the excavation assessment, the excavation will be discontinued or vapor control measures will be undertaken.

7. Describe the procedures for the management of excavated soil, i.e soil segregation, engineering controls for the stockpile soil (reference Section 5. C. 4. of the SAM Manual), soil characterization, on-site soil management, off-site disposal, on-site treatment, etc.

Soil interpreted to be less likely to be impacted by petroleum hydrocarbons will be segregated into a separate stockpile. The stockpile(s) will be configured in such a way as to minimize runoff from rain While soil stockpile characterization and disposal are not part of our contracted scope of services, we anticipate that soil will not remain on-site for an extended period of time (no longer than approximately 45 days). Depending on the results of excavation and stockpile sampling, we anticipate that soil containing elevated concentrations of petroleum hydrocarbons will be transported off-site for treatment and disposal at a facility such as Soil Wash Technologies in San Diego, California.

8. A Public Notificati[redacted]ogram must be implemented prior to comm[redacted]g the site investigation. Attach a copy of the public notice and provide a written description of the program (reference Section 6. B. of the SAM Manual). Identify the targeted population and the method of public notice distribution

The site is a parking lot at an airport. The site is adjacent to several commercial facilities and there are no residential land use areas in the site vicinity. The closest residential areas are at least a mile from the Site. The UST area is inside a fenced parking lot. Should this workplan be implemented, a temporary will be erected around the UST excavation area and will remain in place until the excavation is backfilled to minimize public exposure to any potential hazards. A "Public Notification Letter," a copy of which is attached, will be posted in a conspicuous place near the excavation area prior to the commencement of work.

Please Note:

* The investigation trench or excavation must be logged under the direction of a RG, CEG or RCE and include a complete description of the subsurface soil and/or rock

* All contaminated soil should either be removed from the site or be treated on-site (with agency approval) within 45 days of site excavation.

* The site excavation **must** be secured with fencing, site security and other methods as required to ensure public safety. DEH recommends backfilling the excavation site for safety reasons within 72 hours of the post-tank removal investigation.

Prepared by:

BARRY S. PULVER, Environmental Business Solutions 10/1/97

(Name, print or type) **(Company)** **(Signature)** **(date)**

Approved by Tank/Property Owner:

Theodore R. Vallas

(Name, print or type) **(Signature)** **(date)**

Approved by DEH, SAM Program:

MIKE VERNOTT 10-31-97

(Name, print or type) **(Signature)** **(date)**

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

May 22, 1991

Ms. Patricia Clark
Air Resorts Airlines
2192 Palomar Airport Road
Carlsbad, CA 92008

Dear Ms. Clark:

RE: UNAUTHORIZED RELEASE #T1736/H13977-002
2016 PALOMAR AIRPORT ROAD, CARLSBAD, CA 92008

The site remediation information submitted to this agency by Dames and Moore summarizing the site characterization and mitigation activities at the above referenced location has been reviewed. With the provision that the information provided to this agency was accurate and representative of existing conditions, it is the position of this office that no further action is required at this time.

This information has also been discussed with staff of the Regional Water Quality Control Board (RWQCB). Based on the information submitted and current requirements, the RWQCB concurs with the determination of this agency that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional or previously unidentified conditions at the site which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Additionally, be advised that changes in the present or proposed use of the site may require further site characterization and mitigation activity. It is the property owner's responsibility to notify this agency of any changes in report content, future contamination findings, or site usage.

Thank you for your efforts in resolving this matter. Please contact the Hazardous Materials Management Division, Pamela Villa Clay, at (619) 338-2497, if you require additional assistance.

Sincerely,

GARY R. STEPHANY, Deputy Director
Environmental Health Services

GRS:cmc

cc: James Munch-RWQCB
Dames and Moore

WP\T1736

SITE REMEDIATION SUMMARY

File No.: #T1736/H13977-002 Date Submitted: 5/15/91

Facility Name: AIR RESORTS AIRLINES

Operator: AIR RESORTS AIRLINES Phone: (619)438-3600

Address at Site: 2016 PALOMAR AIRPORT RD., CARLSBAD, CA 92008

Mailing Address (if Different): SAME

Corporate Contact Person: TED VALLAS/PATRICIA CLARKE

HazMat Specialist: PAMELA VILLA CLAY Phone:(619)338-2497

	YES	NO	NA
Off Site Impacts:		X	
Beneficial Use Area For Ground Water:	X		
Known Public Health Risks:		X	
Further Environmental Monitoring Required:		X	
Consultant's Report on File:	X		
RWQCB Concurrence with Remediation:	X (J. Munch 5/13/91)		
Manifests Provided (Quantity Removed:)			X

Contaminant: WASTE PETROLEUM FUEL/SOLVENTS

Clean-up Levels Established: SOIL: <400 mg/kg TPH

Average Concentrations Remaining On-Site: 400 MG/KG TPH

Comments: UST SYSTEM: 1500 GAL. CONCRETE TANK CONNECTED TO A CONCRETE SUMP VIA A 4 INCH DIAMETER PIPE. TANK REMOVED ON 6/13/90. SUMP AND PIPE CLOSED BY FILLING WITH CEMENT (VERBAL APPROVAL BY M. VERNETTI). SOIL BORINGS USED TO DELINEATE SOIL CONTAMINATION AROUND SUMP AND PIPE. CHLORINATED ORGANIC COMPOUNDS PRESENT ON SITE BELOW ACTION LEVELS SET BY RWQCB AND HMMD. SOIL EXCAVATED FROM FORMER TANK EXCAVATION AND CONFIRMATION SAMPLES OBTAINED. STOCKPILE GENERATED BY EXCAVATION SAMPLED ACCORDING TO SW-846 AND ANALYZED FOR TPH, AROMATIC AND HALOGENATED ORGANICS, AND ORGANIC LEAD. UPPER CONFIDENCE INTERVAL FOR TPH LEVEL IN STOCKPILE: 117.3 MG/KG. THE FOLLOWING COMPOUNDS WERE PRESENT IN THE STOCKPILE: 0.0239 MG/KG PCE, 0.005 TOTAL XYLENES, AND <0.3 MG/KG ORGANIC LEAD. STOCKPILE SOIL USED TO BACKFILL EXCAVATION WHICH WAS THEN PAVED OVER WITH ASPHALT. DEPTH TO GROUNDWATER APPROXIMATELY 100 FT.

PC

County of San Diego

DANIEL J. AVERA
DIRECTOR

LARRY T. AKER
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

July 16, 1996

County of San Diego
Department of Public Works
Attn: Lynn Parrish
2198 Palomar Airport Rd.
Carlsbad, CA 92008

Dear Ms. Parrish:

UNDERGROUND STORAGE TANK (UST) CASE
McCLELLAN-PALOMAR AIRPORT
MISSION WEST PROPERTIES LEASEHOLD (NW OF MISSION WEST BLDG.)
2016 PALOMAR AIRPORT ROAD, CARLSBAD, CA 92008
DEH FILE #H13977-003

This letter confirms the completion of site investigation and remedial action for the underground storage tank formerly located at the above described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e). If a change in land use is proposed, the owner must promptly notify this agency.

Please telephone Pamela Villa Clay at (619) 338-2497, if you have any questions regarding this matter.

Sincerely,

CHUCK PRYATEL, Chief
Site Assessment and Mitigation Division

CP:gl

Enclosure

cc: Regional Water Quality Control Board
State Water Resources Control Board, Underground Tanks Program
Harve Filuk, Mission West Properties

Case Closure Summ
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date: July 3, 1996**

Agency Name: County of San Diego, Environmental Health, SAM	Address: PO Box 85261
City/State/ZIP: San Diego, CA 92186-5261	Phone: (619) 338-2222 Fax: (619) 338-2377
Responsible Staff Person: Pamela Villa Clay	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: County of San Diego - McClellan Palomar Airport		
Site Facility Address: 2016 Palomar Airport Rd., Carlsbad, CA		
RB LUSTIS Case No: N/A	Local Case No: H13977-003	LOP Case No: N/A
URF Filing Date: 02/22/91	SWEEPS No: N/A	
Responsible Parties	Addresses	Phone Number
County of San Diego Dept. of Public Works Attn: Lynn Parrish	2198 Palomar Airport Rd. Carlsbad, CA 92008	(619) 431-4646

Tank No.	Size in Gal.	Contents	Closed in Place/Removed?	Date
1	12000	JP-5	Removed	9/87

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Soil contamination in backfill of former JP-5 UST detected in soil borings installed to investigate the property for lease agreement.		
Site Characterization complete? Yes	Date Approved By Oversight Agency: 6/24/96	
Monitoring Wells Installed? No	Number: N/A	Proper Screened Interval? N/A
Highest GW Depth Below Ground Surface: N/A	Lowest Depth: N/A	Flow Direction: N/A
Most Sensitive Current Use: No designated beneficial uses		
Are Drinking Water Wells Affected? No	Aquifer Name: Encinas HA 904.40	
Is Surface Water Affected? No	Nearest SW name: Canyon de las Encinas Creek	
Off-Site Beneficial Use Impacts (addresses/locations): None		
Report(s) on file? Yes	Where is Report(s) Filed? County of San Diego, Environmental Health	

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	12,000 gallons	unknown	N/A
Piping	unknown	unknown	N/A
Free Product	N/A	N/A	N/A
Soil	N/A	N/A	N/A
Groundwater	N/A	N/A	N/A
Barrels	N/A	N/A	N/A

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS -- BEFORE AND AFTER CLEANUP

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas&diesel)	N/A	N/A	N/A	N/A	Xylene	0.072	0.072	N/A	N/A
TPH (JP-5)	5200	5200	N/A	N/A	Ethylbenzene	0.026	0.026	N/A	N/A
Benzene	<0.025	<0.025	N/A	N/A	Oil & Grease	N/A	N/A	N/A	N/A
Toluene	<0.025	<0.025	N/A	N/A	Heavy Metals	N/A	N/A	N/A	N/A
Other					Other				

Comments (Depth of Remediation, etc.): Petroleum fuel contaminated soil was detected during installation of borings on 8/15/90 as part of lease transaction. Reportedly an underground storage tank formerly containing JP-5 fuel for helicopter use was removed in September 1987. Subsequent soil borings indicated that the soil contamination is primarily limited to backfill soil associated with the former tank. Less than detectable levels of JP-5 were revealed in native soils beneath the UST backfill soils. Approximately 330 cubic yards of contaminated soil with an average concentration of 779 milligrams per kilograms (mg/kg or ppm) exists to a depth of 15 feet in the vicinity of the former tank. This contaminated soil is limited to backfill soils based on available data. Groundwater was not encountered during this investigation. Groundwater in the native formation is likely perched based on monitoring well information associated with investigation of the Palomar Airport Landfill. Information such as well elevation, depth to water, and the subject site elevation suggest that groundwater may exist at 51 to 127 feet below the subject site. Soil contamination did not exist at depths greater than 15 feet and thus, this site is considered a "soil only" case and no groundwater investigation is being requested. Remediation of soils is not required for this site due to no suggested impact to the non-beneficial uses of groundwater or to public health.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Yes		
Site Management Requirements: At the time when land-use changed or when excavation is proposed in areas of known contamination this office should be notified and consulted prior to initiating work.		
Should corrective action be reviewed if land use changes? Yes		
Monitoring Wells Decommissioned: N/A	Number Decommissioned: N/A	Number Retained: N/A
List Enforcement Actions Taken: Notice of Corrective Action and Reimbursement Responsibility		
List Enforcement Actions Rescinded: None		

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Chuck Pryatel	Title: Division Manager Site Assessment and Mitigation
Signature: [signature]	Date: 7-10-96
Hydrogeologist Concurrence: [signature]	Date: 6/24/96 7/10/96

VI. RWQCB NOTIFICATION

Date Submitted to RB: Soils Only	RB Response: N/A	
RWQCB Staff Name: N/A	Title: N/A	Date: N/A

VII. ADDITIONAL COMMENTS, DATA, ETC.

The site cleanup levels have been established using site specific soil and groundwater conditions, the type, age, and distribution of contaminates, and the land use both on and off site. This site meets the Low-Risk Soils Only case criteria as described in Regional Water Quality Control Board (RWQCB) memorandum entitled, "Interim Guidance on Required Cleanup at Low-Risk Fuel Contaminated Sites", dated April 1, 1996.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

SITE ASSESSMENT AND MITIGATION DIVISION
UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT

ESTABLISHMENT NO. 21741 PLAN CHECK NO. 3928

SITE NAME AIR RESORTS AIRLINE PHONE

SITE ADDRESS 2188 PALOMAR ROAD CITY CARLSBAD ZIP 92008

CONTRACTOR WESTERN PUMP PHONE 239-9988

Number of tanks to be removed 1 (2) 3 4 5 6 7 8 ___

Decontamination by NIETO & SONS TRUCKING

Manifest No. 96763589

Tank rinsate/(amount & destination) 400 G to D.K.

FIRE AGENCY PRESENT (YES) NO

Dept. CARLSBAD FIRE

Permit No. LAURA BEDNAR

Inspector [redacted] 931-2121

Tank ID No.	T001	T002			REMARKS
Capacity	10,000	10,000			(1) TAR WRAPPED - SLIGHT
Tank Construction	STEEL	STEEL			CORROSION ON BOTTOM
Materials stored	AVGAS	JET FUEL			NO HOLES.
% L.E.L.	0%	2%			(2) TAR WRAPPED - SLIGHT
Dry ice/other (amt.)	150	150			CORROSION
Tank condition	(1)	(2)			NO HOLES
Backfill soil type	GREY	SAND			
Backfill condition	NO ODORS				NOTE: OBSERVED
Native soil type	REDDISH	SILTY SAND			LAYERS OF FILL
Native condition	NO	ODORS			AT DEPTH.
Excavation odors?	SLIGHT	SLIGHT			
Stockpile odors?	NO	NO			NOTE: POST-TANK
Water present?	NO	NO			REMOVAL INVESTIGATION
Ponded product?	NO	NO			WORKPLAN SUBMITTED
Piping removed?	YES	(10 FEET)			

REINSPECTION REQUIRED YES (NO) If yes, explain

NOTICE: You are hereby notified that on 11/12/97, a Hazardous Materials Specialist conducted an inspection for the closure of TWO hazardous substance underground storage tank(s). A summary of the conditions follows:

☐ An **unauthorized release** of a hazardous substance has been observed by the Hazardous Materials Specialist. You are hereby required to initiate **Corrective Action** measures (see Page 4 for details).

☒ A determination of this site's status is pending the Site Assessment and Mitigation Division's (SAM) receipt and review of analytical results for the samples taken from the tank and/or piping closure site. A laboratory report must be submitted to SAM within 30 days. Please request that the laboratory send a copy of the analytical report directly to MIKE VERNETTI at the address provided below.

SAM Division has completed its review of the analytical results for samples collected at the tank closure site and has determined the following:

☐ **TANK CLOSURE COMPLETE - NO FURTHER ACTION REQUIRED**

☒ **INITIATE CORRECTIVE ACTION MEASURES** (See enclosed information)

Approved by: L. APECECHEA Date Reviewed: 11/18/97 Supervisor (initial): MV

RECEIVED BY Matthew Bodde

PRINTED NAME MATTHEW BODDE

PHONE NUMBER (619) 239-9988

Laurie Apecechea
Hazardous Materials Specialist
SAM - P.O. Box 85261
San Diego, CA 92186-5261 (619) 338-2222

DISTRIBUTION: WHITE-RETURN TO SAM
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Health Services
Environmental Health Services

Type(s) of hazardous substance(s) released (mark all that apply):

☐ Gasoline ☐ Diesel ☐ Waste oil ☐ Other _____

Is hazardous material ponded? ☐ Yes* ☐ No *Estimated amount? _____

Estimated depth to groundwater below this site: _____ feet Beneficial use? ☐ Yes ☐ No

SOIL CONDITIONS (Odors, Staining, Volume):

Describe backfill and its condition: _____

Describe native soil and its condition: _____

How was hazardous substance released? _____

Tank condition (holes, corrosion, wrapping, seams, evidence of overfill) _____

Estimated length of piping removed? _____ feet Date tanks last used? _____

Nearby water wells or surface waters? ☐ Yes* ☐ None noted

*Describe _____

Any known sensitive receptors, i.e., underground vaults, utilities or basements nearby? ☐ Yes* ☐ None noted

*Describe _____

COMMENTS: _____

FIELD NOTES

Date: 11/12/97

H 21741

Tank(s) last used: [redacted] RECENT

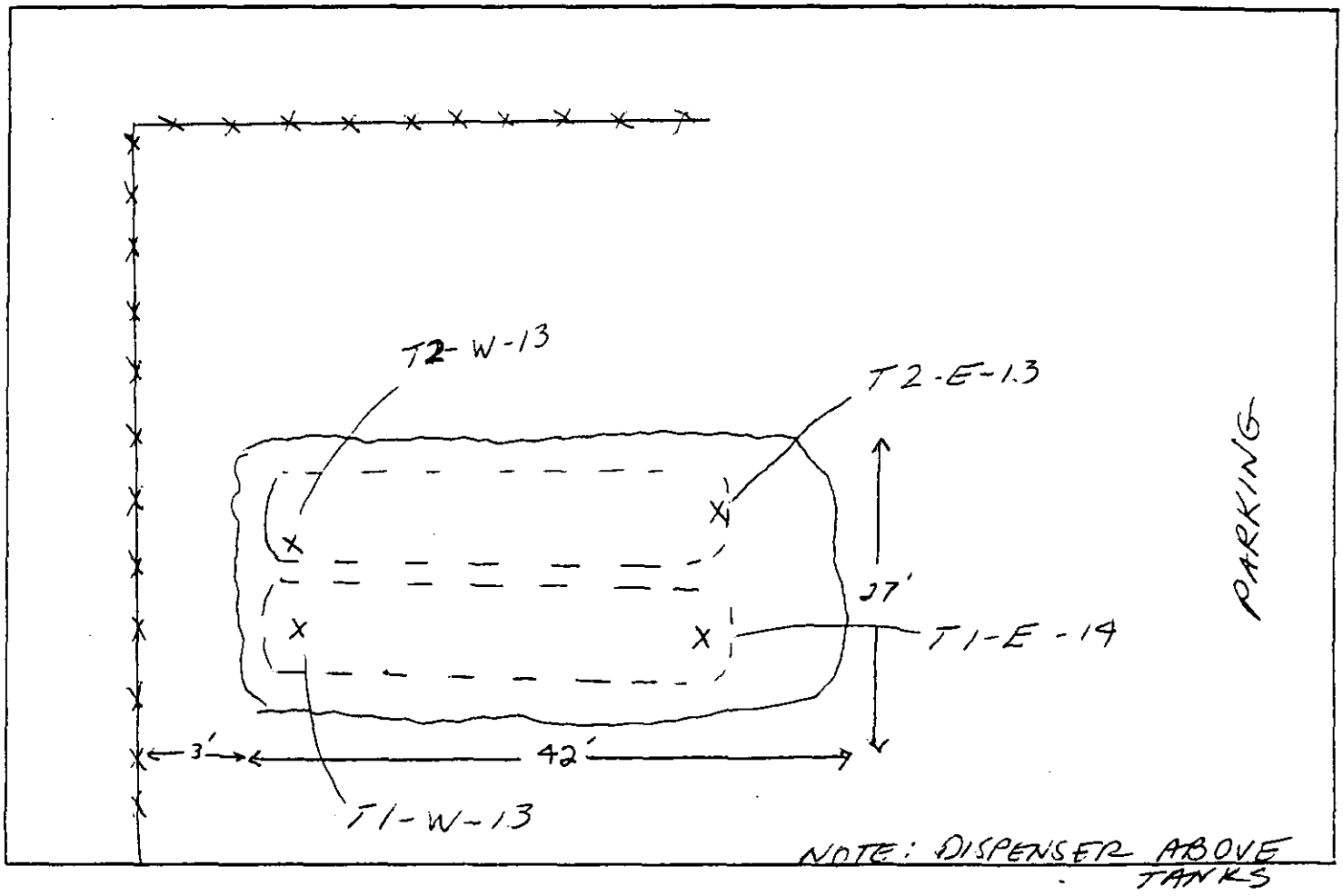
AT/NT 3928

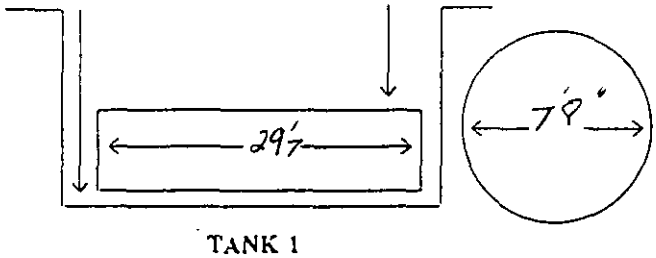
Approx. age of tank(s): UNKNOWN

Tank(s) destination: ADAMS STEEL (ANAHEIM)

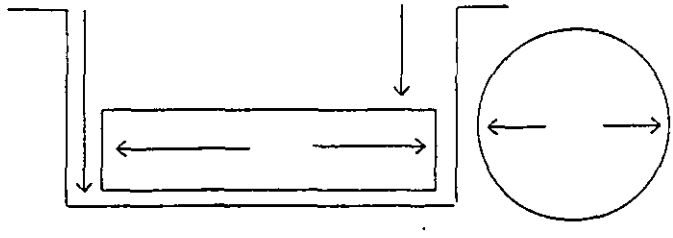
Manifest #: _____ Gallons: _____ to: _____

Decontamination by: _____ lbs. dry ice: (1) _____ (2) _____ (3) _____ (4) _____





TANK 1



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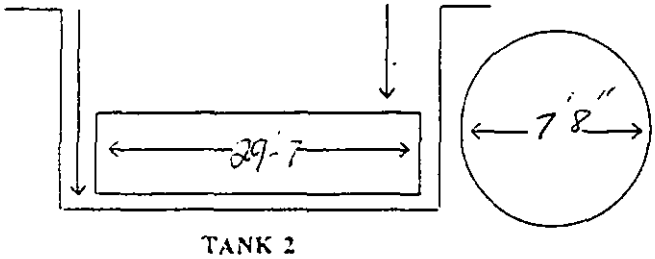
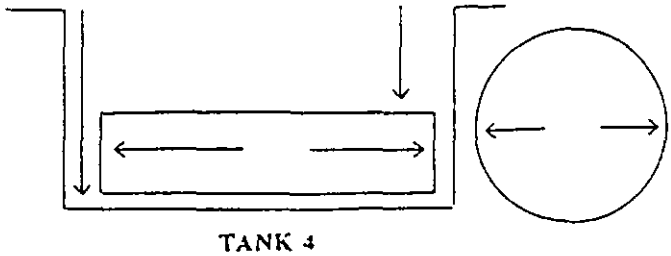


TANK 2



TANK 4

2



H21741 AIR RESORTS AIRLINE
2188 PALOMAR AIRPORT RD.
TANK 2 ON FLAT BED TRUCK
11/12/97 L. APECECHEA

1



H21741 AIR RESORTS AIRLINE
2188 PALOMAR AIRPORT RD.
TANK 1 OUT OF THE GROUND
11/12/97. L. APECECHEA

County of San Diego

SAM Chain-of-Custody Record

Date 11/12/97 Page 1 of 1

Project Name AIR RESORTS AIRLINE
Reference 2188 PALOMAR AIRPORT RD
Address CARLSBAD

Samplers Signature [signature]
Lab To Be Used TEG

SAMPLE NO.	DATE	TIME	LOCATION	TPH FULL RANGE DOHS METHOD	TRPH EPA 418.1	BTXE (8020/602)	HALOGENATED (8010/601)			SOLID	LIQUID	GRAB	COMPOSITE	NO. OF CONTAINERS	COMMENTS
T2-E-13	11/12	10:40	TANK 2 - EAST END	X						X		X		1	NO ODORS
T1-E-13	11/12	10:47	TANK 1 - EAST END	X						X		X		1	SLIGHT ODOR *
T2-W-13	11/12	11:00	TANK 2 - WEST END	X						X		X		1	SLIGHT ODORS *
T1-W-13	11/12	11:10	TANK 1 - WEST END	X						X		X		1	SLIGHT ODORS *
															* NOTE: NOT
															PETROLEUM ODORS

ANALYSIS REQUESTED

SAMPLE TYPE

1 RELINQUISHED BY	Date	2 RELINQUISHED BY	Date	3 RELINQUISHED BY	Date
Signature	Time	Signature	Time	Signature	Time
Printed Name		Printed Name		Printed Name	
Company		Company		Company	
RECEIVED BY	Date	RECEIVED BY	Date	RECEIVED BY (LAB)	Date
Signature	Time	Signature	Time	Signature	Time
Printed Name		Printed Name		Printed Name	
Company		Company		Company	

4 TOTAL NO. OF CONTAINERS

Sample Conditions
Received On Ice Yes/No
Tape Seal Intact Yes/No

Special Shipment/Handling Or Storage Requirements:

Split Sample Location

Site Identification
H# 21771 AT# 3928
SAM L. APECHEA

COPY OF LAB RESULTS MUST BE SENT TO:
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Distribution: White - Laboratory
Yellow - Contractor/Responsible Party
Pink - SAM

DHS:HM-999 (Rev. 6/94)

County of San Diego
Department of Health Services

H# H2174

PLAN CHECK #

WORKPLAN
FOR
UNDERGROUND STORAGE TANK CLOSURE

1. Site Name PALOMAR AIRPORT PARKING LOT, FORMALLY FLIGHT TRAILS

2. Site Address 2188 PALOMAR AIRPORT ROAD

   CARLSBAD, CA 92008

3. Describe the existing land use in the surrounding area. (residential, commercial, schools) Describe the locations of nearest receptors and the prevailing wind.

   AIRPORT (COMMERCIAL) AREA IS CURRENTLY BEING UTILIZED AS A PARKING LOT. PREVAILING WIND SOUTHWESTERLY.

4. Explain how the excavation will be secured. Describe fencing/site security and other methods that insure public safety.

   WESTERN PUMP, INC. PERSONNEL WILL CONTROL ACCESS TO THE WORK ZONE BARRICADES AND TEMPORARY FENCING WILL BE UTILIZED AROUND THE EXCAVATION EXCLUSION AND SUPPORT ZONES WILL BE CLEARLY MARK.

5. If soil is to be stockpiled, describe the location on the Plan Check map. Describe method of soil containment (berming/covers, run-off control).

   CONTAMINATED STOCKPILES WILL BE UNDERLAID WITH ELASTIC SHEETING AND BERMED, AT THE END OF EACH WORKDAY, ALL STOCKPILES WILL BE COVERED WITH PLASTIC TO CONTROL FUGATIVE EMISSIONS OF DUST PARTICLES. STOCKPILES WILL BE LOCATED ADJACENT TO EXCAVATION.

6. Do you plan to conduct site assessment or remedial work beyond what is necessary to remove the underground storage tank(s) and perform the mandatory soil sampling required by the Environmental Health Services?

   [XX] Yes [ ] No

   If Yes, a Workplan for Post-Tank Removal Investigation must be completed under the direction of a registered professional.

Signature Matthew J Bordak

Title Project Manager

Telephone (619) 239-9998 EXT 218 Date 10-1-97

Theodore L. Vallon
Owner

****Office Use Only****
Establishment No. #H 21741
Plan Check # AT 3928
DEH Inspector

WORKPLAN

Complete this Workplan only if you intend to utilize a backhoe to investigate the extent of hydrocarbon contamination within 72 hours of the removal of an underground storage tank (UST). This site investigation work must be implemented in accordance with the DEH-SAM Manual and under the direction of an appropriately Registered Geologist (RG), Certified Engineering Geologist (CEG) or Registered Civil Engineer (RCE). A complete site assessment report, signed by the above referenced registered professional, must be submitted to DEH within 60 days of the date of the field investigation. This workplan must be signed by the above referenced registered professional.

1. Establishment Name/Address

   Palomar Airport, 2188 Palomar Airport Road, Building # 22, Carlsbad, California 92008

2. Contractor, Contact & Phone No.

   Western Pump/CET, 3235 F Street, San Diego, California 92102, Mr. Matt Bodde, 239-9988, ext. 218

   Environmental Consultant, Contact & Phone No.

   Environmental Business Solutions, Inc. (EBS), 8799 Balboa Avenue, Suite 290, San Diego, CA 92123

   Mr. Barry Pulver, CEG, (619) 571-5500 ext. 232

   Registered Professional (defined above) & Phone No.

   Mr. Barry Pulver (EBS), (619) 571-5500 ext 232 (CEG 1364)

3. Describe how the backhoe will be utilized to conduct the site investigation (ie. potholing, trenching, etc.) and estimate the maximum quantity of soil to be excavated.

   Trenches and/or potholes will be excavated in the vicinity of the USTs to assess the horizontal and and vertical extent of petroleum hydrocarbon-bearing soil (if any) in the vicinity of the USTs. A maximum of up to 75 yards of soil will be excavated from the UST excavation where additional assessment is conducted.

4. Describe the soil sar[illegible] c[illegible]ction methods and laboratory analyses [illegible]e u[illegible] (reference Section 4. B. 1. of the SAM Manual). Soil [illegible]lysis must be performed by a Californi[illegible] [illegible]ertified Laboratory.

Soil samples will be collected in general accordance with the guidelines set forth in the SAM Manual. Soil samples will either be collected from the "teeth" of the backhoe bucket and packed into laboratory-supplied glass jars, or collected in brass sleeves with a manual drive sampler. In the case that soil samples are collected in brass sleeves, the sleeves will be covered with Teflon tape and capped. Samples will be transported to a California State-certified mobile laboratory under chain-of-custody protocol and tested in accordance with the appropriate analytical method detailed in the 1997 SAM manual.

5. Attach a site drawing (to scale) which includes at a minimum: site structures, subsurface utility lines and fuel lines, UST(s) location, site investigation area, stockpiled soil area, prevailing wind direction, adjacent street and property uses, subsurface water and wells.

A site drawing is attached.

6. Describe methods to monitor and control hydrocarbon vapor emissions at the excavation site.

The excavated soil will be placed on and covered with 10 mil plastic sheeting. We will also be monitoring vapors with a photoionization detector at periodic intervals (generally not exceeding 15 minutes) and will have available for use benzene-specific draeger tubes. Should organic vapors be judged excessive during the excavation assessment, the excavation will be discontinued or vapor control measures will be undertaken.

7. Describe the procedures for the management of excavated soil, i.e. soil segregation, engineering controls for the stockpile soil (reference Section 5. C. 4. of the SAM Manual), soil characterization, on-site soil management, off-site disposal, on-site treatment, etc.

Soil interpreted to be less likely to be impacted by petroleum hydrocarbons will be segregated into a separate stockpile. The stockpile(s) will be configured in such a way as to minimize runoff from rain. While soil stockpile characterization and disposal are not part of our contracted scope of services, we anticipate that soil will not remain on-site for an extended period of time (no longer than approximately 45 days). Depending on the results of excavation and stockpile sampling, we anticipate that soil containing elevated concentrations of petroleum hydrocarbons will be transported off-site for treatment and disposal at a facility such as Soil Wash Technologies in San Diego, California.

8. A Public Notificatio[illegible] must be implemented prior to commer[illegible] site investigation. Attach a copy of the public notice and provide a written description of the program (refe[illegible]e Section 6. B. of the SAM Manual). Identify the targeted population and the method of public notice distribution.

The site is a parking lot at an airport. The site is adjacent to several commercial facilities and there are no residential land use areas in the site vicinity. The closest residential areas are at least a mile from the Site. The UST area is inside a fenced parking lot. Should this workplan be implemented, a temporary will be erected around the UST excavation area and will remain in place until the excavation is backfilled to minimize public exposure to any potential hazards. A "Public Notification Letter," a copy of which is attached, will be posted in a conspicuous place near the excavation area prior to the commencement of work.

Please Note:

* The investigation trench or excavation must be logged under the direction of a RG, CEG or RCE and include a complete description of the subsurface soil and/or rock.
* All contaminated soil should either be removed from the site or be treated on-site (with agency approval) within 45 days of site excavation.
* The site excavation **must** be secured with fencing, site security and other methods as required to ensure public safety. DEH recommends backfilling the excavation site for safety reasons within 72 hours of the post-tank removal investigation.

Prepared by:

BARRY S. PULVER, Environmental Business Solutions 10/1/97

(Name, print or type) **(Company)** **(Signature)** **(date)**

Approved by Tank/Property Owner:

Theodore R. Vallas

(Name, print or type) **(Signature)** **(date)**

Approved by DEH, SAM Program:

MIKE VERNOOY 10-31-97

(Name, print or type) **(Signature)** **(date)**

ENVIRONMENTAL BUSINESS SOLUTIONS Inc.

FACSIMILE COVER LETTER

Date: 11/17/97

Number of Pages: 3
(including cover page)

Fax#: 338-2377

Please deliver the following pages to:

Name: LAURIE APPLECHEA

Company: SAM

Telephone #:

Transmittal from:

Name: STEVE TRUESDALE

Comments: AS DISCUSSED, FOLLOWING ARE PRELIMINARY EXCAVATION AND STOCKPILE SOIL SAMPLE ANALYTICAL RESULTS (TPH) FROM THE ASSESSMENT AT 2188 PALOMAR AIRPORT ROAD IN CARLSBAD. MATT BODDE AT CET/WESTERN PUMP CAN BE REACHED AT 239-9988.

Hard copy to follow in the mail: O Yes O No

"Unless otherwise indicated or obvious from the nature of the transmittal, the information contained in this facsimile message is privileged and confidential information for the use of the individual or entity named above. If the reader of this message is not the intended recipient or employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any discrimination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error or are not certain whether it is privileged, please notify us immediately by telephone, collect and return the original message to us at the address below via the U.S. Postal Service at our expense. Thank you."

For reception problems:
If you have trouble receiving this information, or if you did not receive the specified number of pages above, please call (619) 571 - 5500.

WESTERN PUMP PROJECT #
AIR RESORTS AIRLINE
2188 PALOMAR AIRPORT ROAD
CARLSBAD, CA.

TEG Project #9711112-9

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
METHOD BLANK	11/12/97	ND	ND
T2-E-13	11/12/97	ND	ND
T2-E-13 DUP	11/12/97	ND	ND
T1-E-14	11/12/97	*1,202	**87
T2-W-13	11/12/97	*958	**3,784
T1-W-13	11/12/97	*1,348	**2,772
DETECTION LIMITS		10	10

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS
*INDICATIVE OF "AV. GAS" NOT GAS
**INDICATIVE OF KEROSENE NOT DIESEL
ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT

Post-it® Fax Note 7671		Date 11/13/97	# of pages ▶ 1
To Matt		From NOAH	
Co./Dept. Western Pump		Co. TEG	
Phone # 239-9988		Phone # 793-0401	
Fax # 239-9925		Fax # 793-0404	

CET WESTERN PUMP PROJECT #1998 C
PALOMAR AIRPORT
PALOMAR AIRPORT RD.
CARLSBAD, CA.

TEG Project #971114W2

TPH (DOHS EPA Method 8015 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TPH-AV. GAS C5-C8 (mg/kg)	TPH-JET-A C8-C22 (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZ (mg/kg)	XYLENES (mg/kg)	SUR[illegible] (%)
METHOD BLANK	11/14/97	ND	ND	ND	ND	ND	ND	129
T1W-18	11/14/97	880	1,305	--	--	--	--	--
T1W-19	11/14/97	304	887	--	--	--	--	--
T1W-19 DUP	11/14/97	256	874	--	--	--	--	--
T1W-21	11/14/97	383	1,448	--	--	--	--	--
T1W-23	11/14/97	380	1,386	--	--	--	--	--
T2W-16	11/14/97	ND	340	--	--	--	--	--
T2W-19	11/14/97	168	2,682	--	--	--	--	--
T2W-21	11/14/97	141	1,283	--	--	--	--	--
T2W-23	11/14/97	386	2,204	--	--	--	--	--
T1W2-13	11/14/97	ND	ND	--	--	--	--	--
T1W2-18	11/14/97	1,271	2,354	*9.76	**111.3	*6.38	*44.66	1[illegible]
T1W2-18 DUP	11/14/97	1,190	2,423	*9.84	**132.9	*6.45	*43.68	9[illegible]
T2W2-13	11/14/97	390	3,731	--	--	--	--	
T2W2-18	11/14/97	35	1,408	--	--	--	--	--
T1E-16	11/14/97	ND	ND	--	--	--	--	--
T1E-20	11/14/97	ND	ND	--	--	--	--	--
T1E2-14	11/14/97	ND	ND	--	--	--	--	--
T2E2-19	11/14/97	ND	43	--	--	--	--	--
T2E2-22	11/14/97	ND	ND	--	--	--	--	--
SP-1	11/14/97	305	1,205	--	--	--	--	--
SP-2	11/14/97	857	1,453	--	--	--	--	--
SP-3	11/14/97	250	1,951	--	--	--	--	--
SP-4	11/14/97	1,531	10,990	***36.5	***89.6	***11.7	***57.0	91[illegible]
SP-5	11/14/97	20	191	--	--	--	--	--
SP-6	11/14/97	997	214	--	--	--	--	--
DETECTION LIMITS		10	10	0.050	0.050	0.050	0.050	65[illegible]

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS
*INDICATES DETECTION LEVEL INCREASED 10 TIMES BY DILUTION
**INDICATES DETECTION LEVEL INCREASED 10 TIMES BY DILUTION 10 TIMES BY RANGE CHANGE
***INDICATES DETECTION LEVEL INCREASED 100 TIMES BY DILUTION
ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT

Post-it® Fax Note 7671	Date 11-14-97	# of pages ▶ 1
To STEVE TRUESDALE	From JIM LIGGETT	
Co./Dept. EBS	Co. TEG	
Phone #	Phone # (619) 793-0401	
Fax # (619) 571-5357	Fax # (619) 793-0404	

County of San Diego

DEPARTMENT OF PUBLIC WORKS

5555 OVERLAND AVE, SAN DIEGO, CALIFORNIA 92123-1295

DIRECTOR
(619) 694-2212
FAX: (619) 268-0461
LOCATION CODE S50

COUNTY ENGINEER
COUNTY AIRPORTS
COUNTY ROAD COMMISSIONER
TRANSIT SERVICES
COUNTY SURVEYOR
FLOOD CONTROL
WASTEWATER MANAGEMENT
SOLID WASTE

October 27, 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 389 444 729

Mr. Theodore L. Vallas
2192 Palomar Airport Road
Carlsbad, CA 92009

MCCLELLAN-PALOMAR AIRPORT - THEODORE L. VALLAS - COUNTY CONTRACT NO. 7128OR - REMOVAL OF TWO (2) UNDERGROUND STORAGE TANKS

As you know, County Airports has an urgent need for the property that the subject tanks occupy. Airport Staff is pleased that you are proceeding with your obligation to remove the tanks and that excavation is near. We have been in contact with your contractor, Western Pump, in an effort to coordinate his tank removal activities and permit the Airport to provide safe and uninterrupted service to the flying public. We understand that Western Pump has only been retained for the tank excavation and that if there is contamination, you will have to negotiate a new contract.

In order to minimize the period of time any contractor and their subcontractors are involved with the tank removal and any remediation activities that may be required, we request your cooperation in requiring the contractor and their subcontractors to follow the requirements described below.

1. FENCING

a) A temporary 6' chainlink fence will be placed around the perimeter of the excavation site and be removed only with the direction and to the satisfaction of Floyd Best, Airport Manager ("Airport Manager").

b) The Airport Manager met with Matthew Bodde, Project Manager of Western Pump, and identified a portion of the Airports fencing that can be rolled back during excavation. The Airports fence will be returned to its original condition to the satisfaction of the Airport Manager.

2. SURROUNDING AIRPORT PROPERTY

Western Pump is aware that automobile parking and driveways surround his excavation site. Any temporary obstruction of these areas outside the excavation site will be coordinated with the Airport Manager.

3. SOIL REPORTS AND MANIFESTS

a) Copies of all soil test results, reports, tank manifest, clean out water manifest, and soil disposal manifests will be delivered to Airport Manager at 2198 Palomar Airport Road, Carlsbad, CA 92008 within twenty-four hours (24) that they are available.

b) If there is contamination, within thirty (30) days after soil tests results indicated contamination and **prior** to submittal of additional site assessment and mitigation workplans to HHMD, these workplans will be delivered to the Airport Manager for review and comment.

4. STOCK PILES

a) **Clean Backfill**. The soil used for backfill after the tank is removed will be brought on site when it can be immediately place in the excavated area. There will be no stockpiling of clean backfill.

b) **Contamination.**

If stockpile categorization is required to determine the extent of the contamination or other aspects of the remediation, the contaminated soil (contamination) may be allowed to remain on the Premises for one week (five working days) from the date of excavation and/or the date that HHMD inspected the excavation.

i) On-site storage. During that week, the contamination will be stored and covered to prevent wind erosion and site runoff.

☐ All stored soil will be placed upon a 10 mil thick plastic sheeting and be surrounded by a 2-foot high containment berm.

☐ The berm will also be covered by 10 mil thick plastic sheeting.

☐ The 10 mil thick plastic sheeting will also completely cover the stored soil and be made secure to resist any uplift and removal by wind.

ii) Labeling. The contamination will also be properly labeled of the health risk.

iii) Contamination Removal. At the end of the week that the contamination is stored on the Premises, the contamination will be removed from the Premises in accordance with the hazardous materials laws concerning transporting and disposing of hazardous materials. Copies of all manifests of the soil removal will be delivered in accordance with Item 3 above. At that time, the pit will be filled with non-expansive soil compacted to 90% compaction and covered with asphalt to the satisfaction of the Airport Manager.

5. CLOSURE REPORT.
Upon completion of the excavation and/or remediation, a closure report will be delivered to the Airport Manager. The temporary chainlink fence will be removed upon the direction of the Airport Manager.

6. INSURANCE
Prior to the commencement of the excavation and/or remediation, any contractor and subcontractors will provide Certificates of Insurance to the Airport Manager for Commercial General Liability Insurance. The policy must be written on an "occurrence basis" and in amounts of not less than $2,000,000 each occurrence. This policy will name the County of San Diego as an "Additional Insured.

If you agree and concur with the requirements herein, please sign below and return this letter to Airports in the stamped self-addressed envelope by November 3, 1997. Please retain a copy of this letter for your records.

We appreciate your cooperation in this matter. If you have any questions concerning these requirements, please contact Lynn Parrish at (619) 596-3919 or Floyd Best at (760) 431-4646.

Sincerely,

TIMOTHY A. WALSH, Assistant Deputy Director
Department of Public Works

Enclosures

cc: Airport Manager (N137); Larry Horseman (O90); Mark McPherson, HHMD (D561); Chuck Praytel, SAM (D561); Richard M. Kipperman, Trustee, P.O. Box 3939, La Mesa, CA 91944; City of Carlsbad Fire Department, 2560 Orion Way, Carlsbad, CA 92008, Attn: Mike Smith, Fire Marshall; Michael E. Busch and William Rathbone, Esq., Page & Busch, LLP, 401 "B" Street, Suite 2100, San Diego,CA 92101

I agree to require my contractor and any subcontractors that may be hired to remove the underground storage tanks to adhere to the requirements stated above.

Theodore R. Vallas
Theodore L. Vallas

10/30/97
Date

2056 Palomar Airport Road

SW

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

April 2, 2002

Ms. Lynn Parrish
County of San Diego
1960 Joe Crosson Drive
El Cajon, CA 92020-1236

Mr. William Billingsley
Cinema Air Jet Center
2056 Palomar Airport Road, Box F
Carlsbad, CA 92008

Dear Ms. Parrish and Mr. Billingsley:

UNDERGROUND STORAGE TANK (UST) CASE #H20084-002
2056 PALOMAR AIRPORT ROAD, CARLSBAD, CA 92008

This letter confirms the completion of a site investigation and corrective action regarding the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank is greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tanks site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code. No further action related to the petroleum release at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code. Please contact Scott Weldon at (619) 338-2539 if you have questions regarding this matter.

Sincerely,

GARY W. ERBECK, Director
Department of Environmental Health
Site Assessment and Mitigation Program

GWE:SW:kd

Enclosure

cc: Regional Water Quality Control Board
Allan Patton, SWRCB, UST Cleanup Fund Program

WP/H20084-002CLO

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

DATE: 2-14-02

Agency Name: County of San Diego, Environmental Health, SAM	Address: P.O. Box 129261
City/State/ZIP: San Diego, CA 92112-9261	Phone: (619) 338-2222 FAX: (619) 338-2377
Responsible Staff Person: Scott Weldon	Title: Environmental Health Specialist

II. CASE INFORMATION

Site Facility Name: Cinema Air Jet		
Site Facility Address: 2056 Palomar Airport Road, Carlsbad, CA		
RB LUSTIS Case No: 9UT3811	Local Case No: H20084-002	LOP Case No: H20084-002
URF Filing Date: 3-24-99	SWEEPS No: N/A	
Responsible Parties: County of San Diego Ms. Lynn Parrish	Address: 1960 Joe Crosson Drive El Cajon, CA 92020-1236	Phone Number: 619-596-3919
Cinema Airjet Center Mr. William Billingsley	2056 Palomar Airport Road Carlsbad, CA 92008	760-724-6586

Tank No.	Size in Gal.	Contents	Closed in Place/Removed	Date
1	10,000	Jet A	Removed	12-7-98
2	N/A			
3	N/A			
4	N/A			

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Jet A fuel release from UST system			
Site Characterization complete? Yes	Date Approved By Oversight Agency: 2-20-02		
Monitoring Wells Installed? Yes	Number: 1	Proper Screened Interval? Yes	
Highest GW Depth Below Ground Surface: 25 feet below grade	Lowest Depth: 25 fbg	Flow Direction: unknown	
Most Sensitive Current Use: Groundwater is considered to be non-beneficial			
Are Drinking Water Wells Affected? No	Aquifer Name: (904.40) Encinas Hydrologic Sub-area		
Is Surface Water Affected? No	Nearest SW name: Unnamed creek to the south		
Off-Site Beneficial Use Impacts (addresses/locations): None			
Report(s) on file? Yes	Where are reports filed? County of San Diego, Environmental Health		

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank(s)	One	Recycled by Jauregui and Culver	12-7-98
Piping	20 feet	Disposed of	12-7-98
Free Product	None	N/A	N/A
Soil	150 Cubic Yards	Disposed of to Candelaria	12-7-98
Groundwater	None	N/A	N/A
Barrels	None	N/A	N/A

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued) H20084-002

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS - - BEFORE AND AFTER CLEANUP - - N/A MEANS NOT ANALYZED

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Jet)	32,000	32,000	N/A	< 0.5	MTBE	N/A	< 0.005	N/A	< 0.002
Benzene	N/A	< 0.002	N/A	0.0029	Oil & Grease	N/A	N/A	N/A	N/A
Toluene	N/A	< 0.002	N/A	0.0384	Total Lead	N/A	13	N/A	N/A
Ethylbenzene	N/A	< 0.002	N/A	0.0011	Other	N/A	N/A	N/A	N/A
Xylene	N/A	< 0.006	N/A	0.0012					

Comments: During the UST removal in 1998, jet fuel was found in a soil sample taken from beneath the former UST, indicating a jet fuel release had occurred. Approximately 150 cubic yards of petroleum hydrocarbon impacted soil were then removed from the vicinity of the former UST excavation, and were disposed of to Candelaria.

EBS has estimated that 50 cubic yards of petroleum hydrocarbon impacted soil remain at the site. Based on the consultant's report, the remaining impacted soil at the site does not pose a threat to public health. Groundwater was investigated, and it was determined that petroleum hydrocarbon impacts to groundwater were minimal.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes

Does corrective action protect public health for current land use? Yes

Case oversight completed based upon the current/future site use as an airplane fueling facility.

Site Management Requirements: Any contaminated soil excavated as part of subsurface construction work must be managed in accordance with the legal requirements at that time.

Should corrective action be reviewed if land use changes? Yes

Monitoring Wells Decommissioned: No	Number Decommissioned: N/A	Number Retained: 1

List Enforcement Actions Taken: Notice of Corrective Action and Reimbursement Responsibility

List Enforcement Actions Rescinded: None

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Kevin Heaton	Title: Senior Hydrogeologist Land and Water Quality Division
Signature:	Date: 4/2/2002

VI. RWQCB NOTIFICATION

Date Submitted to RB: N/A – Groundwater is non-beneficial	RB Response: N/A	
RWQCB Staff Name: N/A	Title: N/A	Date: N/A

VII. ADDITIONAL COMMENTS, DATA, ETC.

The one remaining groundwater monitoring well is to be destroyed under permit within 90 days.

This document and the related CASE CLOSURE LETTER shall be retained by the lead agency as part of the official site file.

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101

DIVISION OF ENVIRONMENTAL HEALTH PROTECTION
HAZARDOUS MATERIALS MANAGEMENT UNIT
(619) 236-2222

December 16, 1986

R. W. Martin
Cinema Air
2186-A Palomar Airport Road
Carlsbad, CA 92008

RE: UNAUTHORIZED RELEASE # T0258
CINEMA AIR, 2186 PALOMAR AIRPORT ROAD, CARLSBAD

Dear Mr. Martin:

The Unauthorized Release Report submitted to this Department by Applied Hydrogeologic Consultants summarizing the site characterization and mitigation activities at the above referenced location has been reviewed. This Unauthorized Release Report has also been discussed with staff of the Regional Water Quality Control Board (RWQCB). The RWQCB concurs with the determination of this Department that this site has been adequately mitigated. Based on current requirements and policies, no further action is indicated at this time.

Please be advised that if future development of the site changes the current use of the site, additional site characterization and mitigation activity may be required. As the property owner, it is your responsibility to notify this Department prior to any such changes.

Thank you for your efforts in resolving this matter. Please do not hesitate to contact the Hazardous Materials Management Unit at (619) 236-2222, if you require any additional assistance.

Very truly yours,

GARY STEPHANY, Chief
Division of Environmental Health Protection

GS:JMF:bfb

cc: RWQCB
HMMU
D. Lesperance, Applied Hydrogeologic

Unauthorized Release of Hazardous Substance
from an Underground Storage Tank for
Division Chief's Signature

File No. T0258 Date Submitted Nov. 5 1986

Facility Name Cinema Air

Operator Mr. R.W. Martin Phone (619) 438-0877

Address at Site 2056 Palomar Airport Road, Carlsbad 92008

Mailing Address (if different) 2186-A Palomar Airport Rd - Carlsbad 92008

Corporate Contact Person R.W. Martin Phone (619) 438-0877

Name of Specialist Filing Letter Jim Frank Phone 236-2222

	Yes	No	NA
Source Contained	X		
Off Site Impacts		X	
Beneficial Use Area	X		
Known Public Health Risks		X	
Further Environmental Monitoring Required			
Consultant's Report on File	X		

Hydrogeographic Unit 4.51 - Beneficial Uses for Muni, Ag, Ind.
Depth to groundwater ≈ 60'
Site is covered by asphalt and concrete aprons for aircraft taxiways, runways, and hanger areas.

OP

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES

1700 Pacific Highway, San Diego, CA 92101

SMOKING ENDANGERS EVERYONE'S HEALTH

DIVISION OF ENVIRONMENTAL HEALTH PROTECTION
HAZARDOUS MATERIALS MANAGEMENT UNIT
(619) 236-2222

September 16, 1986

Mr. R. W. Martin
Cinema Air
2186-A Palamor Airport Road
Carlsbad, CA 92008

RE: UNAUTHORIZED RELEASE # TO258
CINEMA AIR, 2186-A PALOMAR AIRPORT ROAD, CARLSBAD 92008

Dear Mr. Martin:

Your initial Unauthorized Release Report dated August 27, 1986 for the site referenced above conforms to the initial reporting requirements, as prescribed in Chapter 6.7, California Health and Safety Code and Title 23, California Administrative Code.

For the duration of the site mitigation process, you are required to provide periodic written supplemental reports to this Department to update your Unauthorized Release Report.

Please submit a Supplemental Unauthorized Release Report every four weeks that includes a summary of the investigation and mitigation progress accomplished to date, along with the projected accomplishments for the next supplemental reporting period. If, during the site mitigation process, any significant situation is encountered that was not known nor anticipated at the time of your initial Unauthorized Release Report, you must notify this Department within 24 hours of the discovery, followed by a full written report describing the situataion within five days of the discovery.

As a reminder, a copy of each manifest for hauling any hazardous waste generated as a result of the site characterization and mitigation procedure must be included with your periodic Supplemental Unauthorized Release Reports.

If you have any questions, please contact me at (619) 236-2222.

Sincerely,

JAMES M. FRANK
Hazardous Materials Specialist II

JMF:bfb

cc: RWQCB

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101
JAMES A. FORDE, Director

FOR HMMU USE
COMPLAINT # _____
PC # _____
EST. _____

To: California Water Resources Control Board, San Diego Region
From: Hazardous Materials Management Unit (HMMU)
Re: Unauthorized Release of Hazardous Material from an Underground Storage Tank

Date: 8-25-86

Evidence of an unauthorized release of a hazardous material has been noted by HMMU staff at the site described below:

Site Address: 2186 Palomar Airport Rd (Street) Carlsbad (City) 92008 (Zip Code)

Property Owner: Cinema Air (Name)
2186 Palomar Airport Road (Street) Carlsbad (City) 92008 (Zip Code)
Telephone (619) 438-0877

Tank Operator: Dick Martin (Name) (619) 438-0877 (Telephone)

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s): Tank or Piping

Amount Released: Unknown (Gallons) Unknown (Time Period)

Release Detected By:

___ Routine Tank Testing
___ Test of Piping
___ Inventory Audit
___ Monitoring Device/Well
✓ Evidence of Soil Contamination Detected During Tank Removal
___ Evidence of Leaky Tank Detected During Tank Removal
___ Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). Steel 10,000 gallon tank installed 1964. Tank was pitted but looked in good condition.

Date Release Reported to or Detected by HMMU: 8-20-86
Contact With Other Agencies: _____
Additional Comments:
Some Ponded product was observed (JP-4)

Please call the HMMU at 236-2222 if you have questions or comments regarding the above

HMMU Staff: Kevin M Heaton

CHECK APPROPRIATE BOX:

☐ MINUTES OF MEETING

☒ TELEPHONE CONVERSATION

DATE 8-27-86 TIME Afternoon LOCATION Office

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. ( ) _____

☒ PERSON CALLING/CALLED Steve Austin

☐ AGENCY REPRESENTED _____

CONVERSATION*/MINUTES RE: Cinnamon Air AT 0392 Palomar Airport

Excavation is 30'x40' and 4' deep. Bottom 3' Saturated with Aviation gas (indicate area is Seaweed)

Carlsbad Fire Marshal has been on-site

Steps they will be taking

1) Presently removing product from excavation

2) Remove backfill Soils and will place on Visqueen. Also I indicated they must cover top with Visqueen

3) Remove Contaminated formational Soil

NAME Kevin M Heath SIGNED Kevin M. Heath

AGENCY - S.D. COUNTY DEPARTMENT OF HEALTH SERVICES; DIVISION OF ENVIRONMENTAL HEALTH

* A sign-in sheet should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

* Brief summary of subject, agreements, directions, and/or instructions

T0258

RECORD OF TRANSMITTAL **DATE:** 10/30/86

To: Mr. Jim Frank **Title:**

Of: Department of Health Services

Hazardous Materials Management Unit

Reference: Phone Conversation 10/30/86

Cinema Air

Description:

A.T.I. I.D. #26005

(Samples EM-2, EM-3)

From: David Lesperance **Title:** Staff Hydrogeologist

Applied Hydrogeologic Consultants
3052 Clairemont Drive, Suite H-10
San Diego, CA 92117

Comments/Action:

Analytical**Technologies,** Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.# 26005

September 18, 1986

Applied Hydrogeologic Consultants
3052 Clairemont Drive, H-10
San Diego, CA 92117

Project Name: Cinema Air

Attention: David Lesperance

On September 17, 1986, Analytical Technologies, Inc. received two (2) soil samples for analyses. The samples were analyzed for flashpoint, total lead (Pb), and petroleum hydrocarbons (Pet-HC).

The flashpoint was analyzed in accordance with EPA method 1010 (modified for soils). The total lead was analyzed using atomic emission spectroscopy by inductively coupled argon plasma in accordance with EPA method 6010.

The Pet-HC analysis was performed by freon extraction/infrared spectroscopy in accordance with EPA method 418.1 (modified for soil).

The results of these analyses and quality control data are enclosed.

Marcilen Lindsey
Inorganic Supervisor

Richard M. Amano
Laboratory Manager

ML:mat

Enclosures

NOTE: The samples from this project will be disposed of thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ATI I.D.# 26005

DATA SHEET

CLIENT: Applied Hydrogeologic Cons.
PROJECT: Cinema Air

SAMPLE MATRIX: Soil
DATE RECEIVED: 9-17-86

ATI I.D.	CLIENT I.D.	FLASHPOINT	TOTAL LEAD (mg/kg)	PETROLEUM HYDROCARBONS (mg/kg)
001	EM-3	> 248 ° F	6.5	63
002	EM-2	> 248 ° F	6.7	N/A

QUALITY CONTROL

ANALYSIS	DATE	SAMPLE I.D.	RESULT	DUPLICATE	RPD (%)	SAMPLE I.D.	SPIKED SAMPLE	AMOUNT SPIKED	% RECOVERY
Flashpt.	9/17	26005-01	>248°F	>248°F	N/A	N/A	N/A	N/A	N/A
Pb	9/17	26005-01	6.5	7.8	18	26005-01	31.0	29.3	81
Pet-HC	9/17	26104-02	540	480	12	24113-02	*	*	*

* SPIKE DILUTED OUT

24 RUSH

Analytical Technologies, Inc.
San Diego ● Los Angeles ● Phoenix ● Seattle

Chain of Custody

DATE 9/17/86 PAGE 1 OF 1

NAME David Lesperance
COMPANY C3052 Clairemont Dr H-10
ADDRESS San Diego, CA 92117

SAMPLERS (SIGNATURE) (PHONE NO.)

ANALYSIS REQUEST

SAMPLE ID.	DATE	TIME	MATRIX	LAB ID.	BASE/NEU/ACID CMPDS. GC/MS/ 625/8270	VOLATILE CMPDS. GC/MS/ 624/8240	PESTICIDES/PCB 608/8080	POLYNUCLEAR AROMATIC 610/8310	PHENOLS, SUB PHENOLS 604/8040	HALOGENATED VOLATILES 601/8010	AROMATIC VOLATILES 602/8020	TOTAL ORGANIC CARBON 415/9060	TOTAL ORGANIC HALIDES 9020	PETROLEUM HYDROCARBONS 418	Flash point	Total lead	PRIORITY POLLUTANT METALS (13)	CAM METALS (18) TTLC/STLC	EP TOX METALS (8)	SWDA-INORGANICS PRIMARY/SECONDARY	HAZARDOUS WASTE PROFILE			NUMBER OF CONTAINERS
EM-3	9/17/86	10:00	soil											✓	✓	✓								1
EM-2	9/8		soil												X	X								1

Evidence 5303 #004

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
David Lesperance 10:45		
(Signature) (Time)	(Signature) (Time)	(Signature) (Time)
David Lesperance 9/17/86		
(Printed Name) (Date)	(Printed Name) (Date)	(Printed Name) (Date)
AHC		
(Company)	(Company)	(Company)

RECEIVED BY 1.	RECEIVED BY 2.	RECEIVED BY (LABORATORY) 3.
		Diane Lincoln
(Signature) (Time)	(Signature) (Time)	(Signature) (Time)
		DIANE LINCOLN
(Printed Name) (Date)	(Printed Name) (Date)	(Printed Name)
		ATI 9-17-86 10:50 A.M.
(Company)	(Company)	ANALYTICAL TECHNOLOGIES, INC.

PROJECT INFORMATION	
SHIPPING ID. NO.	
VIA:	
PROJECT:	Circle Air
PQ NO.	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	1
CHAIN OF CUSTODY SEALS	
REC'D GOOD CONDITION/COLD	
CONFORMS TO RECORD	
LAB NO.	

SPECIAL INSTRUCTIONS/COMMENTS: on ice / by truck

ATI LABORATORIES: SAN DIEGO (619) 458-9141 PHOENIX (602) 438-1530 DISTRIBUTION: WHITE, CANARY - ANALYTICAL TECHNOLOGIES, INC. ● PINK - ORIGINATOR

APPLIED HYDROGEOLOGIC consultants

3 October 1986

T 0258

Mr. Jim Frank
San Diego County Health Department
Hazardous Materials Management Division
1700 Pacific Highway
San Diego, CA 92101

D.O.H.S.
DIV. OF E.H.P.
HAZ. MAT. UNIT
OCT 8 3 19 PM '86

Subject: Site Closure Request
HMMU PC# AT0392 - Cinema Air

Dear Mr. Frank

In accordance with our letter report of 27 August 1986 we have commenced with aviation fuel contaminant removal/clean-up at 2186-A Palomar Airport Road, Carlsbad, California. The following information is provided to summarize the phases of the clean-up process to the present, and to obtain authorization for closure of the site.

Sampling Procedure

All samples submitted for laboratory analysis were obtained using clean augers, were placed in teflon-capped glass sample jars or vola-vials, kept in chilled containers, and delivered by truck to Analytical Technologies, Inc. (ATI).

The soil samples were analyzed for flash point (EPA method 1010, modified for soils), lead (EPA method 6010), total extractable hydrocarbons (TEH, EPA method 418.1, modified for soils), and purgeable aromatic hydrocarbons (BTX, EPA method 8020). The free aviation gas was analyzed for purgeable aromatic hydrocarbons in accordance with EPA method 602 for water.

PHASE 1 - Free Product Removal

Initial site reconnaissance revealed approximately 1 foot of free product floating on 0.5 feet of water within the tank backfill materials remaining in the excavation.

The free product had high levels of benzene, toluene, and xylene (T1-D11, ATI I.D. 23206).

Subsequently a sump was installed in the bottom of the excavation and this liquid was removed via pumping and stored in a portable polyethylene storage tank on site. Fritz Nachant Construction transported the recovered gasoline to their yard for use in their company vehicles.

PHASE 2

In phase 2 of the clean-up the remaining tank backfill materials and the formational materials 1 to 2 feet deep along the bottom and sides of the excavation, were removed by a grade-all.

A composite soil sample from the lower portion of the walls in the excavation and three soil samples from the bottom of the excavation were obtained by hand auger to determine the extent of any remaining contaminated soil

The composite soil sample from the walls of the excavation at this phase of the clean-up contained 730 ppb of Toluene (Walls, ATI I.D. 25303-005). The soil sample from the bottom of the northern portion of the excavation had no detectable levels of purgeable aromatic hydrocarbons (B1-D1, ATI I.D. 25303-001). The soil samples from the southern portion of the excavation had moderate levels of the purgeable aromatic hydrocarbons Benzene, Toluene, and Ethyl Benzene (B2-D1 and B2-D3.3, ATI I.D. 25303-002 & -003).

PHASE III

After the initial clean-up of the excavation under Phase 2, a portable vapor meter in conjunction with a hand auger was used to determine the depth of contaminated soils remaining in the southern portion of the excavation.

The remaining contaminated soils in the southern portion of the excavation were removed via grade-all and spread on visquine on the site. The excavation was enlarged by two feet along the east and west wall and by three feet along the southern wall and bottom during this final clean-up phase.

The vapor meter was then used on site to confirm removal of the contaminated soils from the excavation. Soil samples from both the southwest (SW) and southeast (SE) corner of the enlarged excavation (Figure 1) were obtained as analytical confirmation of the clean-up.

The soil samples contained no detectable levels of TEH or purgeable aromatic hydrocarbons (SW and SE, ATI I.D. # 26509).

EXCAVATED MATERIALS

Approximately 300 cubic yards of contaminated soils were removed from the excavation. Several times during the clean-up, soil samples were taken from the excavated materials stockpiled on site in order to determine their contaminant concentration.

The saturated backfill material removed with the tank had toluene concentrations of 90 ppm, and a low flash point, 68 degrees Fahrenheit (ATI I.D. # 23206).

Subsequent evaluation of these same materials sampled 20 days later indicated a significantly lower concentration of toluene, 1.7 ppm (EM-2, ATI I.D. # 25303) and a high flash point, greater than 240 degrees Fahrenheit (EM-2, ATI I.D. # 26005).

One week after the contaminated soils removed in Phase 2 were stockpiled on site, a composite sample was obtained from several samples taken 2 feet below the surface of the contaminated piles.

need lab

This sample had a TEH concentration of 63 ppm, and a flash point of greater than 248 degrees Fahrenheit (EM-3, ATI I.D. 26005).

Total lead concentration of the excavated materials ranges between 6.5 ppm and 6.7 ppm (EM-2 and EM-3, ATI I.D. 26005).

To specifically assess the potential effect of contamination on ground water percolating through the soils, a waste extraction test (WET) was run on the most contaminated excavated soil analyzed (EM-3 with a TEH concentration of 63 ppm).

The WET sample derived from the excavated materials was analyzed twice for purgeable aromatic hydrocarbons. The sample had a concentration of 40 ppm Toluene on the first run and 50 ppm Toluene on the second run. No other purgeable aromatic hydrocarbons were detected (ATI I.D. # 26512).

Ground water was not encountered during clean-up of the excavation. It is estimated that ground water is greater than 60 feet deep on this mesa. The excavation and the area adjacent to the excavation are to be covered by a concrete apron. In addition the ground surface for at least 400 hundred feet around the excavation will be covered by concrete or asphaltic concrete taxiways, hangers, and aprons. It is not expected that any surface water will be recharging ground water below the concrete apron.

REQUEST FOR SITE CLOSURE

All the free product has been removed from the excavation and contamination levels in the excavated materials have been substantially reduced. Ground water is over 60 feet below the ground surface in the area and the impact on surface waters percolating through the materials would be very minimal. The area of the excavation is to be substantially covered with impervious and semi-impervious surfacing materials and the site is located in a primarily industrial sector. For these reasons Applied Hydrogeologic Consultants request approval for backfilling and compaction of the excavation with the material removed from the excavation during the project clean-up.

Please contact our office if you have any questions.

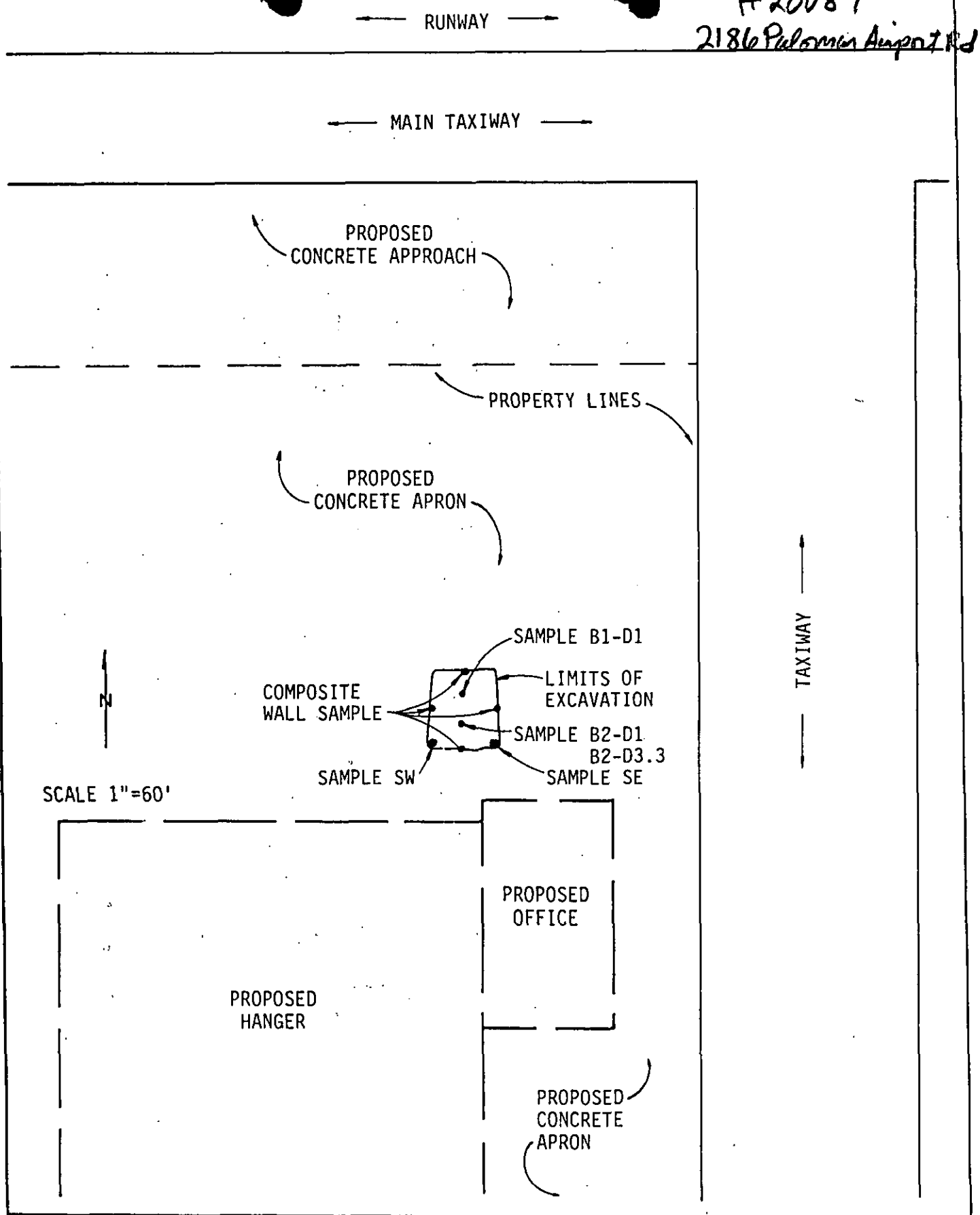
Sincerely,

David Lesperance
David Lesperance
Staff Hydrogeologist

Robert S. Austin
Robert S. Austin, RCE 37455
Project Engineer

enclosures
DL/RSA
cc: Scott Hugenberger
R. W. Martin

H20084
2186 Palomar Airport Rd.



APPLIED HYDROGEOLOGIC consultants
3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275-6577

FIGURE 1
BURIED TANK SITE PLAN
CINEMA AIR, PALOMAR AIRPORT

PROJECT
19 E2.6

Analytical**Technologies,** Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.# 23206

September 4, 1986

Applied Hydrogeologic Consultants
3052 Clairemont Drive, H-10
San Diego, CA 92117

Project: Fritz Nachant/Cinema Air

Attention: David Lesperance

On August 20, 1986, Analytical Technologies, Inc. received one (1) liquid and one (1) soil sample for analyses. The samples were analyzed for flashpoint and purgeable aromatics.

The flashpoint of the sample was determined in accordance with EPA method 1010 (modified for soil).

The purgeable aromatics were analyzed using gas chromatography/photo-ionization detection in accordance with EPA method 602 for water and 8020 for soil. Sample results have been corrected for constituents found in the reagent blank.

The results of these analyses and quality control data are enclosed.

Patricia A. Schroder
GC Supervisor

Richard M. Amano
Laboratory Manager

PS:mat

Enclosures

NOTE: The samples from this project will be disposed of thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ATI I.D.# 23206

DATA SHEET

CLIENT: Applied Hydrogeologic Cons.
PROJECT: Fritz Nachant/Cinema Air
METHOD NO.: EPA 1010 (modified for soil)

SAMPLE MATRIX: Soil
DATE RECEIVED: 8-20-86

ATI I.D.	CLIENT I.D.	FLASHPOINT
002	Stockpile 1	< 68 ° F

QUALITY CONTROL

ANALYSIS	DATE	SAMPLE I.D.	RESULT	DUPLICATE	RPD (%)	SAMPLE I.D.	MS FOUND	SPIKE ADDED	% RECOVERY
Flashpt.	8/21	23206-02	< 68°F	< 68°F	N/A	N/A	N/A	N/A	N/A

Analytical Technologies, Inc.

ATI I.D.# 23206-001

DATA SHEET

product av. gas

CLIENT: Applied Hydrogeologic Cons.
PROJECT: Fritz Nachant/Cinema Air
SAMPLE I.D.: T1-D11
DILUTION: 1000000

SAMPLE MATRIX: Liquid
DATE ANALYZED: 9-04-86
TEST: 602
UNITS: ug/L

	Detection Limits	Results
BENZENE	200000	920000
TOLUENE	400000	62000000
CHLOROBENZENE	200000	U
ETHYL BENZENE	100000	U
1,3-DICHLOROBENZENE	400000	U
1,2 & 1,4-DICHLOROBENZENE	600000	U
META XYLENE	600000	U
ORTHO & PARA XYLENE	600000	640000

Surrogate Percent Recovery:

BROMOCHLOROMETHANE	91%
TRIFLUOROTOLUENE	*

1 U indicates the compound was analyzed for but not detected at a concentration above the detection limit.
2 B indicates analyte was also found in the reagent blank.
3 TR means the component was found at trace levels below the limit stated.
4 * Matrix Interference

Analytical Technologies, Inc.

ATI I.D.# 23206-RB

DATA SHEET

CLIENT: Applied Hydrogeologic Cons.
PROJECT: Fritz Nachant/Cinema Air
SAMPLE I.D.: Reagent Blank
DILUTION: 1

SAMPLE MATRIX: Liquid
DATE ANALYZED: 9-04-86
TEST: 602
UNITS: ug/L

	Detection Limits	Results
BENZENE	0.2	U
TOLUENE	0.4	0.66
CHLOROBENZENE	0.2	U
ETHYL BENZENE	0.1	U
1,3-DICHLOROBENZENE	0.4	U
1,2 & 1,4-DICHLOROBENZENE	0.6	U
META XYLENE	0.6	U
ORTHO & PARA XYLENE	0.6	U

Surrogate Percent Recovery:	
BROMOCHLOROMETHANE	100%
TRIFLUOROTOLUENE	103%

1 U indicates the compound was analyzed for but not detected at a concentration above the detection limit.
2 B indicates analyte was also found in the reagent blank.
3 TR means the component was found at trace levels below the limit stated.

Analytical Technologies, Inc.

ATI I.D.# 23206

QUALITY CONTROL DATA
MATRIX SPIKE/MATRIX SPIKE DUPLICATES

CLIENT: Applied Hydrogeologic Cons.
EPA METHOD: 602

SAMPLE MATRIX: Water
DATE ANALYZED: 9-03-86
UNITS: ug/L

Component	Spike Added	1st Result	1st Result's % Recovery*	2nd Result	2nd Result's % Recovery	RPD**
Benzene	8	7.5	93	7.9	99	5.2
Toluene	8	8.8	110	9.2	116	4.4
Chlorobenzene	4	4.0	100	3.7	93	7.8
Ethylbenzene	4	4.0	100	3.7	93	7.8
m-Xylene	4	4.0	100	3.7	93	7.8
o,p-Xylene	8	7.9	99	7.3	92	8.1

* % Recovery = $\frac{\text{(Spike sample result)}}{\text{Spike added}} \times 100$

** RPD (Relative Percent Difference) = $\frac{\text{1st Result - 2nd Result}}{\text{Average Result}} \times 100$

Analytical Technologies, Inc.

ATI I.D.# 23206-002

DATA SHEET

Excavated Stockpile Sat.

CLIENT: Applied Hydrogeologic Cons.
PROJECT: Fritz Nachant/Cinema Air
SAMPLE I.D.: Stockpile 1
DILUTION: 1000
SAMPLE MATRIX: Soil
DATE ANALYZED: 9-03-86
TEST: 8020
UNITS: ug/kg

	Detection Limits	Results
BENZENE	10000	U
TOLUENE	20000	900000
CHLOROBENZENE	8000	U
ETHYL BENZENE	5000	U
1,3-DICHLOROBENZENE	20000	U
1,2 & 1,4-DICHLOROBENZENE	30000	U
META XYLENE	30000	U
ORTHO & PARA XYLENE	30000	U

900 ppm

Surrogate Percent Recovery:

BROMOCHLOROMETHANE	89%
TRIFLUOROTOLUENE	*

1 U indicates the compound was analyzed for but not detected at a concentration above the detection limit.
2 B indicates analyte was also found in the reagent blank.
3 TR means the component was found at trace levels below the limit stated.
4 * Matrix Interference

Analytical Technologies, Inc.

ATI I.D.# 23206-RB

DATA SHEET

CLIENT: Applied Hydrogeologic Cons.
PROJECT: Fritz Nachant/Cinema Air
SAMPLE I.D.: Reagent Blank
DILUTION: 1
SAMPLE MATRIX: Soil
DATE ANALYZED: 9-03-86
TEST: 8020
UNITS: ug/kg

	Detection Limits	Results
BENZENE	10	45
TOLUENE	20	30
CHLOROBENZENE	8	U
ETHYL BENZENE	5	28
1,3-DICHLOROBENZENE	20	U
1,2 & 1,4-DICHLOROBENZENE	30	U
META XYLENE	30	60
ORTHO & PARA XYLENE	30	72

Surrogate Percent Recovery:

BROMOCHLOROMETHANE	90%
TRIFLUOROTOLUENE	97%

1 U indicates the compound was analyzed for but not detected at a concentration above the detection limit.
2 B indicates analyte was also found in the reagent blank.
3 TR means the component was found at trace levels below the limit stated.

Chain of Custody Record

Analytical Technologies, Inc.
San Diego, CA • Los Angeles, CA • Phoenix, AZ • Seattle, WA

DATE 8/20/86 PAGE 1 OF 1

CLIENT AHC
ADDRESS 3052 Clairemont Dr H-10
San Diego CA 92117
PROJECT Fritz Nachant / Cinema Air
SAMPLERS (SIGNATURE) David Lesperance

3206

	SAMPLE NO	DATE	TIME	LOCATION	CAM METALS (18)	PR. POLLUTANT METALS (13)	GENERAL MINERALS	OIL & GREASE	PETROLEUM HYDROCARBONS	BASE/NEU/ACIDS (ORGANICS)	PESTICIDES	~~VOLATILE ORGANICS (601/602)~~	VOLATILE ORGANICS (624)	TOC/TOX	8020/602	Flash point					NUMBER OF CONTAINERS	OBSERVATIONS/ COMMENTS
1	[illegible] D22	8/20/86		Dolomite excavation								✓			✓						2	
2	[illegible] 1	8/20/86		Soil pile								✓			✓	✓					1	Need by 8/21 4:00 pm

RELINQUISHED BY	DATE	RECEIVED BY	DATE	RELINQUISHED BY	DATE	RECEIVED BY	DATE
David Lesperance	8/20/86						
Signature		Signature		Signature		Signature	
Printed Name AHC	TIME 12:15	Printed Name	TIME	Printed Name	TIME	Printed Name	TIME
Company		Company		Company		Company	

RELINQUISHED BY	DATE	RECEIVED BY	DATE	RELINQUISHED BY	DATE	RECEIVED BY (laboratory)	DATE
						Diane Lincoln	8/20/86
Signature		Signature		Signature		Signature	
Printed Name	TIME	Printed Name	TIME	Printed Name	TIME	DIANE LINCOLN	TIME
Company		Company		Company		Printed Name ATI	12:20 P.M.
						Analytical Technologies, Inc.	

3 TOTAL NUMBER OF CONTAINERS

METHOD OF SHIPMENT

SPECIAL SHIPMENT/HANDLING OR STORAGE REQUIREMENTS

DISTRIBUTION: WHITE, CANARY - ANALYTICAL TECHNOLOGIES, INC. • PINK - ORIGINATOR

Analytical**Technologies,** Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D. 25303

September 16, 1986

Applied Hydrogeologic
3052 Clairemont Drive H-10
San Diego, California 92117

Project: Cinema Air

Attention : David Lesperance

On September 10, 1986, Analytical Technologies, Inc. received five (5) soil samples for analysis of purgeable aromatics.

The puregable aromatics were analyzed using gas chromatography/photo ionization detection in accordance with EPA method 8020. Sample results have been corrected for constituents found in the reagent blank.

Verbals were given to Steve Austin on September 12, 1986 by Liz Shigley of Analytical Technologies, Inc.

The results of these analyses and the surrogate recoveries are enclosed.

Patricia A. Schroder
GC Supervisor

Richard M. Amano
Laboratory Manager

Note: The samples from this project will be disposed of thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ATI I.D. 25303

DATA SHEET

CLIENT :APPLIED HYDROGEOLOGIC
PROJECT: CINEMA AIR
TEST: EPA 8020
SAMPLE MATRIX : SOIL
DILUTION: 1

DATE SAMPLED:9-10-86
DATE RECEIVED:9-10-86
DATE ANALYZED:9-11-86
UNITS : ug/Kg

ATI I.D.: -001
CLIENT I.D.: B1-D1

	DETECTION LIMITS	RESULTS
BENZENE	10	U
TOLUENE	20	U
CHLOROBENZENE	8.0	U
ETHYL BENZENE	5.0	U
1,3-DICHLOROBENZENE	20	U
1,2 & 1,4-DICHLOROBENZENE	30	U
M-XYLENE	30	U
O,P-XYLENE	30	U

BROMOCHLOROMETHANE RECOVERY:	93%
TRIFLUOROTOLUENE RECOVERY :	80%

U indicates the compound was analyzed for but was not detected at a concentration above the detection limit for that compound based on dilution.
TR means the component was found at trace levels below the limit state
B indicates analyte was also found in the reagent blank.

Analytical Technologies

ATI I.D. 25303

DATA SHEET

CLIENT :APPLIED HYDROGEOLOGIC
PROJECT: CINEMA AIR
TEST: EPA 8020
SAMPLE MATRIX : SOIL
DILUTION: 20

DATE SAMPLED:9-10-86
DATE RECEIVED:9-10-86
DATE ANALYZED:9-11-86
UNITS : ug/Kg

ATI I.D.: -002
CLIENT I.D.: B2-D1

	DETECTION LIMITS	RESULTS	
BENZENE	200	990	
TOLUENE	400	14000	14 ppm
CHLOROBENZENE	160	U	
ETHYL BENZENE	100	U	
1,3-DICHLOROBENZENE	400	U	
1,2 & 1,4-DICHLOROBENZENE	600	U	
M-XYLENE	600	U	
O,P-XYLENE	600	U	

BROMOCHLOROMETHANE RECOVERY: 107%
TRIFLUOROTOLUENE RECOVERY : 0% - MATRIX INTERFERENCE

U indicates the compound was analyzed for but was not detected at a concentration above the detection limit for that compound based on dilution.
TR means the component was found at trace levels below the limit stated.
B indicates analyte was also found in the reagent blank.

Analytical Technologies, Inc.

ATI I.D. 25303

DATA SHEET

CLIENT :APPLIED HYDROGEOLOGIC
PROJECT: CINEMA AIR
TEST: EPA 8020
SAMPLE MATRIX : SOIL
DILUTION: 20

DATE SAMPLED:9-10-86
DATE RECEIVED:9-10-86
DATE ANALYZED:9-11-86
UNITS : ug/Kg

ATI I.D.: -003
CLIENT I.D.: B2-D3.3

	DETECTION LIMITS	RESULTS	
BENZENE	200	880	
TOLUENE	400	16000	16 ppm
CHLOROBENZENE	160	U	
ETHYL BENZENE	100	330	
1,3-DICHLOROBENZENE	400	U	
1,2 & 1,4-DICHLOROBENZENE	600	U	
M-XYLENE	600	U	
O,P-XYLENE	600	U	

BROMOCHLOROMETHANE RECOVERY: 90%
TRIFLUOROTOLUENE RECOVERY : 0% - MATRIX INTERFERENCE

U indicates the compound was analyzed for but was not detected at a concentration above the detection limit for that compound based on dilution.
TR means the component was found at trace levels below the limit stated.
B indicates analyte was also found in the reagent blank.

AnalyticalTechnologies Inc.

ATI I.D. 25303

DATA SHEET

CLIENT :APPLIED HYDROGEOLOGIC
PROJECT: CINEMA AIR
TEST: EPA 8020
SAMPLE MATRIX : SOIL
DILUTION: 20

DATE SAMPLED:9-10-86
DATE RECEIVED:9-10-86
DATE ANALYZED:9-11-86
UNITS : ug/Kg

ATI I.D.: -004
CLIENT I.D.: EM 2

	DETECTION LIMITS	RESULTS	
BENZENE	200	U	
TOLUENE	400	1700	1.7 ppm
CHLOROBENZENE	160	U	
ETHYL BENZENE	100	U	
1,3-DICHLOROBENZENE	400	U	
1,2 & 1,4-DICHLOROBENZENE	600	U	
M-XYLENE	600	U	
O,P-XYLENE	600	U	

BROMOCHLOROMETHANE RECOVERY: 93%
TRIFLUOROTOLUENE RECOVERY : 0% - MATRIX INTERFERENCE

U indicates the compound was analyzed for but was not detected at a concentration above the detection limit for that compound based on dilution.
TR means the component was found at trace levels below the limit stated.
B indicates analyte was also found in the reagent blank.

Analytical Technologies

ATI I.D. 25303

DATA SHEET

CLIENT :APPLIED HYDROGEOLOGIC
PROJECT:CINEMA AIR
TEST: EPA 8020
SAMPLE MATRIX : SOIL
DILUTION: 10

DATE SAMPLED:9-10-86
DATE RECEIVED:9-10-86
DATE ANALYZED:9-11-86
UNITS : ug/Kg

ATI I.D.: -005
CLIENT I.D.: WALLS 1

	DETECTION LIMITS	RESULTS
BENZENE	100	U
TOLUENE	200	730
CHLOROBENZENE	80	U
ETHYL BENZENE	50	U
1,3-DICHLOROBENZENE	200	U
1,2 & 1,4-DICHLOROBENZENE	300	U
M-XYLENE	300	U
O,P-XYLENE	300	U

BROMOCHLOROMETHANE RECOVERY: 98%
TRIFLUOROTOLUENE RECOVERY : 0% - MATRIX INTERFERENCE

U indicates the compound was analyzed for but was not detected at a concentration above the detection limit for that compound based on dilution.
TR means the component was found at trace levels below the limit stated.
B indicates analyte was also found in the reagent blank.

Analytical Technologies, Inc.

ATI I.D. 25303

DATA SHEET

CLIENT :APPLIED HYDROGEOLOGIC
PROJECT: CINEMA AIR
TEST: EPA 8020
SAMPLE MATRIX : SOIL
DILUTION: 1

DATE SAMPLED:N/A
DATE RECEIVED:N/A
DATE ANALYZED:9-11-86
UNITS : ug/Kg

ATI I.D.: -REAGENT BLANK
CLIENT I.D.: N/A

	DETECTION LIMITS	RESULTS
BENZENE	10	40
TOLUENE	20	180
CHLOROBENZENE	8.0	U
ETHYL BENZENE	5.0	43
1,3-DICHLOROBENZENE	20	U
1,2 & 1,4-DICHLOROBENZENE	30	U
M-XYLENE	30	82
O,P-XYLENE	30	100

BROMOCHLOROMETHANE RECOVERY: 103%
TRIFLUOROTOLUENE RECOVERY : 93%

U indicates the compound was analyzed for but was not detected at a concentration above the detection limit for that compound based on dilution.
TR means the component was found at trace levels below the limit sta
B indicates analyte was also found in the reagent blank.

Analytical**Technologies,**Inc.
San Diego ● Los Angeles ● Phoenix ● Seattle

Chain of Custody

DATE [illegible] PAGE [illegible] OF [illegible]

NAME David Lasperance
COMPANY AHC
ADDRESS 3050 [illegible] Dr. H-10
San Diego CA 92117

SAMPLERS (SIGNATURE) (PHONE NO.)
David Lasperance 275-6577

ANALYSIS REQUEST

	SAMPLE ID.	DATE	TIME	MATRIX	LAB ID.	BASE/NEU/ACID CMPDS. GC/MS/ 625/8270	VOLATILE CMPDS. GC/MS/ 624/8240	PESTICIDES/PCB 608/8080	POLYNUCLEAR AROMATIC 610/8310	PHENOLS, SUB PHENOLS 604/8040	HALOGENATED VOLATILES 601/8010	AROMATIC VOLATILES 602/8020	TOTAL ORGANIC CARBON 415/9060	TOTAL ORGANIC HALIDES 9020	PETROLEUM HYDROCARBONS 418			PRIORITY POLLUTANT METALS (13)	CAM METALS (18) TTLC/STLC	EP TOX METALS (8)	SWDA-INORGANICS PRIMARY/SECONDARY	HAZARDOUS WASTE PROFILE			NUMBER OF CONTAINERS
001	BI-DI			Soil								✓													2
002	B2-DI			Soil								✓													2
003	S2-033			Soil								✓													2
004	EM 2			Soil								✓													2
005	Wells I			Soil								✓													2

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
David Lasperance		
(Signature) (Time)	(Signature) (Time)	(Signature) (Time)
David Lasperance 11:30		
(Printed Name) (Date)	(Printed Name) (Date)	(Printed Name) (Date)
AHC 9/10/86		
(Company)	(Company)	(Company)

RECEIVED BY 1.	RECEIVED BY 2.	RECEIVED BY (LABORATORY) 3.
		Diane Lincoln
(Signature) (Time)	(Signature) (Time)	(Signature) (Time)
		DIANE LINCOLN
(Printed Name) (Date)	(Printed Name) (Date)	(Printed Name)
		ATL 9-10-86 11:35 am.
(Company)	(Company)	ANALYTICAL TECHNOLOGIES, INC.

PROJECT INFORMATION
SHIPPING ID. NO.
VIA:
PROJECT: [illegible]
PQ NO.

SAMPLE RECEIPT
TOTAL NO. OF CONTAINERS
CHAIN OF CUSTODY SEALS
REC'D GOOD CONDITION/COLD
CONFORMS TO RECORD
LAB NO.

SPECIAL INSTRUCTIONS/COMMENTS:
[illegible]

ATI LABORATORIES: SAN DIEGO (619) 458-9141 PHOENIX (602) 438-1530 DISTRIBUTION: WHITE, CANARY - ANALYTICAL TECHNOLOGIES, INC. ● PINK - ORIGINATOR

Analytical**Technologies,** Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.# 26005

September 18, 1986

Applied Hydrogeologic Consultants
3052 Clairemont Drive, H-10
San Diego, CA 92117

Project Name: Cinema Air

Attention: David Lesperance

On September 17, 1986, Analytical Technologies, Inc. received two (2) soil samples for analyses. The samples were analyzed for flashpoint, total lead (Pb), and petroleum hydrocarbons (Pet-HC).

The flashpoint was analyzed in accordance with EPA method 1010 (modified for soils). The total lead was analyzed using atomic emission spectroscopy by inductively coupled argon plasma in accordance with EPA method 6010.

The Pet-HC analysis was performed by freon extraction/infrared spectroscopy in accordance with EPA method 418.1 (modified for soil).

The results of these analyses and quality control data are enclosed.

Marcilen Lindsey
Inorganic Supervisor

Richard M. Amano
Laboratory Manager

ML:mat

Enclosures

NOTE: The samples from this project will be disposed of thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ATI I.D.# 26005

DATA SHEET

CLIENT: Applied Hydrogeologic Cons.
PROJECT: Cinema Air

SAMPLE MATRIX: Soil
DATE RECEIVED: 9-17-86

ATI I.D.	CLIENT I.D.	FLASHPOINT	TOTAL LEAD (mg/kg)	PETROLEUM HYDROCARBONS (mg/kg)
001	EM-3	> 248 ° F	6.5	63
002	EM-2	> 248 ° F	6.7	N/A

QUALITY CONTROL

ANALYSIS	DATE	SAMPLE I.D.	RESULT	DUPLICATE	RPD (%)	SAMPLE I.D.	SPIKED SAMPLE	AMOUNT SPIKED	% RECOVERY
Flashpt.	9/17	26005-01	>248°F	>248°F	N/A	N/A	N/A	N/A	N/A
Pb	9/17	26005-01	6.5	7.8	18	26005-01	31.0	29.3	81
Pet-HC	9/17	26104-02	540	480	12	24113-02	*	*	*

* SPIKE DILUTED OUT

AnalyticalTechnologies, Inc.
San Diego • Los Angeles • Phoenix • Seattle

Chain of Custody

DATE 9/17/86 PAGE 1 OF 1

NAME David LaRocque
COMPANY C3CSA Clearance & H.U
ADDRESS San Diego CA 92117

SAMPLERS (SIGNATURE) (PHONE NO.)

ANALYSIS REQUEST

SAMPLE ID.	DATE	TIME	MATRIX	LAB ID.	BASE/NEU/ACID CMPDS. GC/MS/ 625/8270	VOLATILE CMPDS. GC/MS/ 624/8240	PESTICIDES/PCB 608/8080	POLYNUCLEAR AROMATIC 610/8310	PHENOLS, SUB PHENOLS 604/8040	HALOGENATED VOLATILES 601/8010	AROMATIC VOLATILES 602/8020	TOTAL ORGANIC CARBON 415/9060	TOTAL ORGANIC HALIDES 9020	PETROLEUM HYDROCARBONS 418	Flash point	Ignitability	PRIORITY POLLUTANT METALS (13)	CAM METALS (18) TTLC/STLC	EP TOX METALS (8)	SWDA-INORGANICS PRIMARY/SECONDARY	HAZARDOUS WASTE PROFILE			NUMBER OF CONTAINERS
EM-3	9/17/86	10:00	soil											✓	✓	✓								1
EM-D	9/17/86		soil												X	X								1

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
(Signature) (Time) 10:45	(Signature) (Time)	(Signature) (Time)
(Printed Name) (Date) 9/17/86	(Printed Name) (Date)	(Printed Name) (Date)
(Company) AHC	(Company)	(Company)

RECEIVED BY 1.	RECEIVED BY 2.	RECEIVED BY (LABORATORY) 3.
(Signature) (Time)	(Signature) (Time)	(Signature) Diane Lincoln (Time)
(Printed Name) (Date)	(Printed Name) (Date)	(Printed Name) DIANE LINCOLN 9-17-86 10:50 A.M.
(Company)	(Company)	ANALYTICAL TECHNOLOGIES, INC.

PROJECT INFORMATION	
SHIPPING ID. NO.	
VIA:	
PROJECT:	Tiburon A.C
PO NO.	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	1
CHAIN OF CUSTODY SEALS	
REC'D GOOD CONDITION/COLD	
CONFORMS TO RECORD	
LAB NO.	

SPECIAL INSTRUCTIONS/COMMENTS:

ATI LABORATORIES: SAN DIEGO (619) 458-9141 PHOENIX (602) 438-1530

DISTRIBUTION: WHITE, CANARY - ANALYTICAL TECHNOLOGIES, INC. • PINK - ORIGINATOR

Analytical **Technologies,** Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D. 26509

September 30, 1986

Applied Hydrogeologic Consultants
3052 Clairemont Drive, Suite H-10
San Diego, CA 92117

Project: Cinema Air

Attention: David Lesperance

On September 19, 1986, Analytical Technologies, Inc. received two (2) soil samples for analysis. The samples were analyzed for purgeable aromatics and for fuel hydrocarbons.

The purgeable aromatics were analyzed using gas chromatography/photo-ionization detection in accordance with EPA method 8020. Sample concentrations have been corrected for analytes found in the reagent blank.

Fuel hydrocarbons were analyzed using gas chromatography/flame ionization detection in accordance with EPA method 8015 (modified for fuel analysis).

The results of these analyses and surrogate recoveries are enclosed.

Patricia A. Schroder
GC Supervisor

Richard M. Amano
Laboratory Manager

cm

Enclosures

NOTE: The samples from this project will be disposed of thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

AnalyticalTechnologies Inc.

ATI I.D.# 26509-001

PURGEABLE AROMATICS ANALYSIS
EPA METHOD 8020

Client: Applied Hydrogeologic
Sample I.D.: Cinema Air SW
Sample Matrix: Soil
Units: ug/kg
Dilution: 1

Project: Cinema Air
Date Sampled: 9/19/86
Date Received: 9/22/86
Date Analyzed: 9/25/86

	Detection Limits	Results
Benzene	25	U
Toluene	25	U
Chlorobenzene	25	U
Ethyl Benzene	25	U
1,3-Dichlorobenzene	25	U
1,2 & 1,4-Dichlorobenzene	25	U
Meta Xylene	25	U
Ortho & Para Xylene	25	U

Surrogate Percent Recovery	
Bromochloromethane	85 %
Trifluorotoluene	111 %

1 U indicates the compound was analyzed for but not detected at a concentration above the detection limit.

Analytical Technologies, Inc.

ATI I.D.# 26509-002

PURGEABLE AROMATICS ANALYSIS
EPA METHOD 8020

Client: Applied Hydrogeologic
Sample I.D.: Cinema Air SE
Sample Matrix: Soil
Units: ug/kg
Dilution: 1

Project: Cinema Air
Date Sampled: 9/19/86
Date Received: 9/22/86
Date Analyzed: 9/25/86

	Detection Limits	Results
Benzene	25	U
Toluene	25	U
Chlorobenzene	25	U
Ethyl Benzene	25	U
1,3-Dichlorobenzene	25	U
1,2 & 1,4-Dichlorobenzene	25	U
Meta Xylene	25	U
Ortho & Para Xylene	25	U

Surrogate Percent Recovery	
Bromochloromethane	97 %
Trifluorotoluene	131 %

1 U indicates the compound was analyzed for but not detected at a concentration above the detection limit.

Analytical Technologies, Inc.

ATI I.D.# 26509 RB

PURGEABLE AROMATICS ANALYSIS
EPA METHOD 8020

Client: Applied Hydrogeologic
Sample I.D.: Reagent Blank
Sample Matrix: Soil
Units: ug/kg
Dilution: 1

Project: Cinema Air
Date Sampled:
Date Received:
Date Analyzed: 9/25/86

	Detection Limits	Results
Benzene	25	U
Toluene	25	60
Chlorobenzene	25	U
Ethyl Benzene	25	47
1,3-Dichlorobenzene	25	U
1,2 & 1,4-Dichlorobenzene	25	U
Meta Xylene	25	67
Ortho & Para Xylene	25	82

Surrogate Percent Recovery	
Bromochloromethane	79 %
Trifluorotoluene	97 %

1 U indicates the compound was analyzed for but not detected at a concentration above the detection limit.

Analytical Technologies Inc.

Fuel Hydrocarbons

Data Sheet

ATI I.D. 265-09

Client: Applied Hydrogeologic
Sample Matrix: Soil
Date Sampled: 9/19/86
Date Extracted: 9/23/86
Date Received: 9/22/86
Date Analyzed: 9/23/86
Project: Cinema Air
Units: mg/kg
EPA Method: Modified 8015 GC/FID

ATI ID	Client ID	Fuel Hydrocarbons
001	Cinema Air SW	5U
002	Cinema Air SE	5U

U indicates the compound was analyzed for but was not detected at a concentration above the detection limit.

Analytical Technologies Inc.

Date: 9/23/86

I.D.: 265-09

Sample I.D.: 265-09

001 MS/MSD

Fuel Fingerprint
(Modified 8015)

Quality Control Data

Matrix Spike / Matrix Spike Duplicates

Client: Applied Hydrogeologic

Project: Cinema Air

Units: mg/Kg

Matrix: Soil

Component	Spike added	1st Result	1st Result's % Recovery*	2nd Result	2nd Result's % Recovery	RPD**
Gasoline	250	210	84	220	87	3.1
Diesel	250	220	87	260	100	17

* % Recovery = $\frac{\text{(Spike sample result- Sample result)}}{\text{Spike added}}$ X 100

** RPD (Relative Percent Difference) = $\frac{\text{1st Result - 2nd Result}}{\text{Average Result}}$ X 100

Comments:

Chain of Custody Record

Analytical**Technologies,**Inc.
San Diego, CA • Los Angeles, CA • Phoenix, AZ • Seattle, WA

DATE 22 Sept 86 PAGE 1 OF 1

ATT:

CLIENT DAVID LESPERANCE
ADDRESS A.H.C
3052 CLAIRMONT DR
PROJECT CINEMA AIR
SAMPLERS (SIGNATURE) David Lesperance

SAMPLE NO	DATE	TIME	LOCATION	CAM METALS (18)	PR. POLLUTANT METALS (13)	GENERAL MINERALS	OIL & GREASE	PETROLEUM HYDROCARBONS	BASE/NEU/ACIDS (ORGANICS)	PESTICIDES	VOLATILE ORGANICS (601/602)	VOLATILE ORGANICS (624)	TOC/TOX	OTHER: 8015 (Modified)	OTHER: 8020				NUMBER OF CONTAINERS	OBSERVATIONS/ COMMENTS
SE	9/19/86													✓	✓				1	
SW	9/22/86													✓	✓				1	
																			2	

RELINQUISHED BY	DATE	RECEIVED BY	DATE	RELINQUISHED BY	DATE	RECEIVED BY	DATE
Signature: David Lesperance	9/22/86	Signature:		Signature:		Signature:	
Printed Name: D. LESPERANCE	TIME 9:45	Printed Name:	TIME	Printed Name:	TIME	Printed Name:	TIME
Company: A.H.C		Company:		Company:		Company:	

RELINQUISHED BY	DATE	RECEIVED BY	DATE	RELINQUISHED BY	DATE	RECEIVED BY (laboratory)	DATE
Signature:		Signature:		Signature:		Signature: ATL	9/23/86
Printed Name:	TIME	Printed Name:	TIME	Printed Name:	TIME	Printed Name: J. ROBLES	TIME 11:45
Company:		Company:		Company:		Analytical Technologies, Inc.	

TOTAL NUMBER OF CONTAINERS

METHOD OF SHIPMENT

SPECIAL SHIPMENT/HANDLING OR STORAGE REQUIREMENTS

TRANSPORTED IN COOLER. (ICED)

DISTRIBUTION: WHITE, CANARY - ANALYTICAL TECHNOLOGIES, INC. • PINK - ORIGINATOR

AnalyticalTechnologies, Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

I.D. 26512

September 29, 1986

Applied Hydrogeologic Consultants
3052 Clairemont Drive, Suite H-10
San Diego, CA 92117

Attention: David Lesperance

Project: Cinema Air

On September 22, 1986, Analytical Technologies, Inc. received a request to further analyze soil sample EM-3 which was previously accessioned as 26005-001.

This sample was extracted by the waste extraction test in accordance with California's Title 22, Article 11, Section 66700. The extract was analyzed for soluble benzene, ethyl benzene, toluene, and xylenes by gas chromatography/photo-ionization detection in accordance with EPA method 602.

The results of this analysis are enclosed.

Robert V. Woods
Organics Supervisor

Richard Amano
Laboratory Manager

Analytical Technologies, Inc.

ATI I.D. # 26512-001

Soluble Benzene, Toluene, and Xylenes Analysis
EPA METHOD 602

Client: Applied Hydrogeologic
Sample I.D.: EM-3
Sample Matrix: Water
Units: mg/L

Project: Cinema Air
Date Sampled: 9/17/86
Date Analysis Requested: 9/22/86
Date Analyzed: 9/25/86

	Detection Limits	Results
Benzene	0.003	U
Toluene	0.003	0.04
Ethylbenzene	0.003	U
Meta Xylene	0.003	U
Ortho & Para Xylene	0.003	U

Surrogate Percent Recovery

Bromochloromethane	92%

1 U indicates the compound was analyzed for but not detected at a concentration above the detection limit.

Analytical Technologies, Inc.

ATI I.D.# 26512-001 (dup.)

Soluble Benzene, Toluene, and Xylenes Analysis
EPA METHOD 602

Client: Applied Hydrogeologic
Sample I.D.: EM-3
Sample Matrix: Water
Units: mg/L

Project: Cinema Air
Date Sampled: 9/17/86
Date Analysis Requested: 9/22/86
Date Analyzed: 9/25/86

	Detection Limits	Results
Benzene	0.003	U
Toluene	0.003	0.05
Ethylbenzene	0.003	U
Meta Xylene	0.003	U
Ortho & Para Xylene	0.003	U

Surrogate Percent Recovery:

Bromochloromethane	92%

1 U indicates the compound was analyzed for but not detected at a concentration above the detection limit.

Analytical Technologies

ATI I.D.# 26512

Soluble Benzene, Toluene, and Xylenes Analysis
EPA METHOD 602

Client: Applied Hydrogeologic
Project: Cinema Air
Sample I.D.: Reagent Blank
Sample Matrix: Water
Units: mg/L
Date Analyzed: 9/26/86

	Detection Limits	Results
Benzene	0.003	U
Toluene	0.003	U
Ethylbenzene	0.003	U
Meta Xylene	0.003	U
Ortho & Para Xylene	0.003	U

Surrogate Percent Recovery:

Bromochloromethane	92%

1 U indicates the compound was analyzed for but not detected at a concentration above the detection limit.

APPLIED HYDROGEOLOGIC consultants

D.G.H.S.
DIV. OF E.H.P.
HAZ. MAT. UNIT
SEP 4 10 28 AM '86

27 August 1986

Mr. Kevin Heaton
San Diego County Health Department
Hazardous Materials Management Division
1700 Pacific Highway
San Diego, CA 92101

T0258

Subject: Unauthorized Release PC# AT0392
Cinema Air
2186-A Palomar Airport Rd
Carlsbad, CA 92008

Dear Mr. Heaton:

On 20 August, 1986 we were asked to inspect a 35' X 30' trench that had been excavated to 11' in depth at the above mentioned location. Two 10,000 gallon aviation gas tanks had been removed and an unauthorized release was suspected. The two tanks were removed from the site by Fritz Nachant and transported to Sim J. Harris Company, 9229 Harris Plant Rd, San Diego. The excavated backfill materials are stored on visquine at the site.

The tank trench was cut into formational sedimentary rock consisting of clayey fine sandy silts. Approximately 3 to 4 feet of sand backfill material remains in the buried tank trench. The lower 2 feet of backfill materials are currently saturated with aviation gas.

The free product in the backfill materials in the excavation is now being removed to a storage tank on site using a non contact explosion proof pump. We feel that the free product can be removed from the excavation in approximately one week. At that point in time we propose removal of the remaining backfill materials, clean up of the excavation, and the submittal of two samples from the cleaned excavation to a laboratory as analytical back-up for site closure.

If during clean-up of the excavation it is determined that product has migrated beyond the limits of the existing excavation we would then propose further site characterization as follows:

1) Exploratory drilling to determine the hydrogeologic environment of the site and to define the parameters of the remaining contaminant plume.

2) Sampling of discrete zones, during the drilling process, to determine the concentration of the remaining contaminant within the formational materials.

Additional clean-up measures will be submitted to the HMMU for approval as required.

3052 Clairemont Drive, Suite H-10 • San Diego, CA 92117 • (619) 275-6577

Please feel free to call our office if you have any questions.

Sincerely,

David Lesperance
Staff Hydrogeologist

Robert S. Austin, RCE 37455
Project Engineer

cc/
Scott Hugenberger
Regional Water Control Board
6154 Mission Gorge, Suite 205
San Diego, CA 92120

Mr. R. W. Martin
Cinema Air
2186-A Palomar Airport Rd
Carlsbad, CA 92008

SCS ENGINEERS









Site Assessment Activities

Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, California
TSMC: 50-4185.05:

Presented to:

Mr. Sean McClain
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, California 92123

Presented by:

SCS ENGINEERS
8799 Balboa Avenue, Suite 290
San Diego, California
(858) 571-5500

November 20, 2012
File No. 01206522.00

Offices Nationwide
www.scsengineers.com

November 20, 2012
File No. 01206522.00

Mr. Sean McClain
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, California 92123

Subject: **Site Assessment Activities (Assessment)**

TSMC: 50-4185.05:

Site: **Jet Source, Inc.**
2056 Palomar Airport
Carlsbad, California

Dear Mr. McClain:

SCS Engineers (SCS), is pleased to present this letter report (Report) of the additional Site assessment activities at the above-referenced Site (Figures 1, 2, and 3). This Assessment was conducted in accordance with approved workplan dated July 29, 2005, and subsequent conversations with personnel of the Regional Water Quality Control Board (RWQCB), and in accordance with the Contract between SCS and Jet Source, Inc. (Client), dated May 3, 2006, and Scope of Services Change Number 1, dated March 30, 2012.

Should you have any questions regarding this Report, please do not hesitate to call the undersigned at (858) 571-5500.
Sincerely,

Tom Wright, PG 7972
Senior Project Professional
SCS ENGINEERS

Daniel E. Johnson
Vice President
SCS ENGINEERS

cc: Jet Source, Inc.
County of San Diego

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1 BACKGROUND

The Site is located at the McClellan-Palomar Airport in the City of Carlsbad (Figure 1). Based on Client-provided data, the various facilities at the Site include aircraft hangars containing aircraft storage and maintenance facilities, charter jets, a fueling facility, avionics sales and service, a full-service reception area, and showers, as well as pilot and passenger lounges. Please note that the Site is situated immediately adjacent to an inactive landfill (Palomar Airport Landfill).

Four 10,000-gallon underground storage tanks (USTs) were located at the Site and were removed in July 2004. The removal of the USTs was overseen by Advanced GeoEnvironmental, Inc. (AGI) of Brea, California. The USTs were situated in two groups: the two westernmost USTs were reported to contain Aviation Gas (AvGas), and the two easternmost USTs were reported to contain Jet A fuel. Upon removal of the USTs, soil samples were collected from beneath the ends of each UST. The soil samples collected from the vicinity of the westernmost USTs (containing AvGas) were reported to have concentrations of petroleum hydrocarbons (likely AvGas) ranging from below laboratory detection limits to 0.5 milligrams per kilogram (mg/kg). The soil samples collected from the vicinity of the easternmost USTs (containing Jet A fuel) were reported to have concentrations of petroleum hydrocarbons (likely Jet A fuel) ranging from below laboratory detection limits to 18,160 mg/kg.

Based on field observations and analytical results, AGI recommended closure for the westernmost USTs; however, the DEH assigned case number H21758-001 to the Site eastern USTs (UST3 and UST4) and at that time, required further assessment of the apparent release related to the easternmost USTs.

Overexcavation of petroleum hydrocarbon-bearing soil in association with UST3 and UST4 was overseen by AGI in August 2004. A total of 618.19 tons of soil was excavated and transported off Site for disposal. The maximum depth of the excavation reportedly extended to approximately 25 feet below ground surface (bgs). With the exception of two soil samples, none of the confirmation samples collected from the sidewalls of the excavation were reported to contain detectable concentrations of petroleum hydrocarbons; benzene, toluene, ethylbenzene, or xylenes (BTEX); or fuel oxygenates. A soil sample collected from 12 feet below grade on the southern sidewall was reported to contain detectable concentrations of petroleum hydrocarbons (22.6 mg/kg) and xylenes (0.021 mg/kg). A soil sample collected from 13 feet below grade on the northern sidewall was reported to contain detectable concentrations of petroleum hydrocarbons (37.7 mg/kg).

Several groundwater monitoring wells that are monitored (by others) on a semi-annual basis have been installed at the landfill. According to GeoSyntec Consultants, perched groundwater as well as a “deep aquifer” are located beneath the Site. The deep groundwater regime is reported to be the “primary continuous groundwater zone encountered beneath the site.” Based on the available data, perched groundwater appears to be present in the vicinity of the Site at an elevation of approximately 300 feet above mean sea level (MSL) and is reported to flow to the south-southeast. There are two monitoring wells associated with the former Palomar Landfill situated in the vicinity of the former USTs (MW-21 situated approximately 300 feet southwest of the easternmost USTs and MW-28 situated approximately 600 feet south-southwest of the

easternmost USTs). Based on the GeoSyntec report[1], it appears that MW-21 intercepts the deeper groundwater and MW-28 intercepts the shallow groundwater. While MW-28 is not interpreted to be downgradient from the USTs at the Site, it is reported to contain detectable concentrations of volatile organic compounds (VOCs) commonly associated with UST fuel releases, including BTEX. BTEX and other VOCs were not reported to be present in the groundwater sample collected from MW-21. Please note that a number of the monitoring wells associated with the former Palomar Landfill are reported to contain detectable concentrations of BTEX and other VOCs.

On June 2, 2005, the County of San Diego Department of Environmental Health (DEH) issued a letter requesting the preparation of a workplan detailing a groundwater assessment that is to include the construction of three monitoring wells at the Site.

On July 29, 2005, AGI submitted a workplan detailing the installation of three monitoring wells pursuant to the DEH's request. A copy of the workplan is attached in Appendix A. The DEH approved the workplan in a letter dated August 15, 2005.

On February 7, 2007, SCS mobilized to the Site for drilling operations to implement the previously approved workplan. This report details the implementation of the AGI workplan.

On March 6, 2007, SCS was notified that regulatory oversight of the case had been moved from the DEH to the Regional Water Quality Control Board (RWQCB) to reduce the amount of regulatory overlap between the RWQCB and DEH regarding the unauthorized release from the former UST and its impact on the closed Palomar Airport Landfill immediately adjacent to the Site.

The installation and sampling of three monitoring wells was completed in 2007 by SCS. However, the assessment report was not finalized due to funding issues.

On December 13, 2011, Mr. Tom Wright and Daniel Johnson of SCS, met with Mr. Sean McClain of the RWQCB, Palomar Airport Staff, and County of San Diego Department of Public Works Staff to discuss the status of the Site assessment case associated with the Site as well as other UST release cases at Palomar Airport. During the meeting, SCS discussed that although groundwater monitoring wells have been drilled, installed, and sampled at the Jet Source Site, a report detailing these data and findings has not been prepared.

Mr. McClain requested that the initial Site assessment report be completed and an additional groundwater gauging event be conducted to assess the Site monitoring well network for the presence of phase-separated hydrocarbons (PSH).

This Report has been prepared to address the RWQCB required initial Site assessment and to describe the additional groundwater gauging event conducted in March 2012.

[1] *October 2011 – March 2012 Semi-Annual And 2011 Annual Monitoring Report Detection Monitoring Program*, Palomar Airport Landfill, Carlsbad, California, Geosyntec 2012

SUMMARY OF PREVIOUS SITE INVESTIGATIONS

Phase II environmental assessments have been conducted at the Site by SCS, Environmental Business Solutions (EBS) and other consultants. These assessments are summarized in the following reports.

- *Underground Storage Tank Removal Report at Cinema Air Facility*, Palomar Airport Road, Carlsbad, California, dated February 5, 1999, and prepared by WGR Southwest (WGR).

- *Subsurface Investigation of 2056 Palomar Airport Road*, Carlsbad, California, dated March 26, 2001, and prepared by EBS.

- *Letter Report of Regulatory Record Review and Subsurface Site Assessment Activities*, 2036-2186 Palomar Airport Road, Carlsbad, California, dated March 20, 2001, and prepared by EBS.

- *Addendum to Workplan for Over-Excavation*, Jet Source, 2056 Palomar Airport Road, Carlsbad, California, dated July 29, 2004, and prepared by Advanced GeoEnvironmental, Inc.

- *Soil Sampling and Analysis Related to Underground Storage Tanks Removals*, Jet Source, 2056 Palomar Airport Road, Carlsbad, California, dated July 28, 2004, and prepared by Advanced GeoEnvironmental, Inc.

- *Over-Excavation of Hydrocarbon-Impacted Soil*, Jet Source, 2056 Palomar Airport Road, Carlsbad, California, dated October 11, 2004, and prepared by Advanced GeoEnvironmental, Inc.

- *Workplan for the Installation of Three Groundwater Monitoring Wells*, Jet Source, 2056 Palomar Airport Road, Carlsbad, California, dated July 29, 2005, and prepared by Advanced GeoEnvironmental, Inc.

The soil and groundwater analytical data obtained from these reports are presented in Figures 4 through 6, and in Tables 1 through 4. Based on the available data, the principal areas/features of concern include:

1. A former 10,000 gallon gasoline UST that had been installed in 1998 and was removed on February 5, 1999.

2. Four former 10,000-gallon USTs, two containing Jet A and the other two containing aviation fuel that were installed in 2002 and removed on July 14, 2004.

FOUR 10,000-GALLON USTS

Four new 10,000-gallon USTs were installed in the same general location to the north of the Jet Source hangar in 2002. One UST was placed further to the east of the former UST location, and one UST was placed to the west of the former UST location. The remaining two USTs were

installed approximately 35 feet west of the two eastern USTs along the north edge of the hangar building (Figure 2).

Due to expansion of the hangar building, the four 10,000-gallon USTs installed in 2002 were removed in July 2004 by Tank Specialists of California (TSC), and associated soil sampling was overseen by AGI. UST 1 and UST 2 contained AvGas, UST 3 and 4 contained Jet A fuel, and the dispensers were located above the Jet A USTs. During the USTs removal, it was reported that soil samples were collected beneath the ends of the USTs and along the piping. Seven soil sample were collected and analyzed for total petroleum hydrocarbons as gasoline (TPHg) [C_6 – C_{12}] and as diesel (TPHd) [C_{13} – C_{24}]. Of the seven soil samples collected, two were reported to contain detectable concentrations of TPHg, and three samples were reported to have detectable concentrations of TPHd. Additionally, selected soil samples were analyzed for VOCs, and two of samples (T1W and T4E) analyzed were reported to have detectable concentrations of VOCs. AGI submitted the results of the confirmation soil sampling in a report to the DEH, which concluded, "an unauthorized release has occurred in the eastern portion of the former easternmost Jet A fuel UST." Based on a review of these results, it appears that the principal constituent released was jet fuel in the C_{13} – C_{24} range.

In August 2004, TSC reported that 618.17 tons of soil hydrocarbon-impacted soil was excavated from the excavation of UST 3 and 4, which contained Jet A fuel. The excavation reportedly extended to a maximum depth of 25 feet. During the removal of the USTs in July 2004, a three-foot thick layer of refuse debris from the Palomar Airport Landfill Unit 1 located adjacent to the east was encountered at a depth of four to six feet bgs in the eastern sidewalls of the excavation. The material excavated was reportedly transported to the Candelaria Environmental Company.

The report of over-excavation and removal of soil was submitted by AGI to the DEH. In response to AGI report, the DEH issued a letter dated June 2, 2005, requesting a workplan for site assessment activities that include the installation of three groundwater monitoring wells.

AGI issued a workplan dated July 29, 2005, proposing the installation of three groundwater monitoring wells. The DEH issued a letter dated, August 15, 2005 approving the workplan.

On February 2, 2007, SCS mobilized to the Site to implement the approved workplan. SCS completed five soil borings and three groundwater monitoring wells. In two of the soil borings, buried refuse was encountered at the depths of five and seven feet bgs, at which point the borings were stopped and stepped over too new locations further to the west. SCS collected 21 soil samples from depths ranging between 5 and 35 feet bgs in each boring. Twenty-one samples were analyzed for TPHg and TPHd via CA DHS LUFT Method, and three soil samples were selected for BTEX and oxygenates analyses via EPA Method 8260B. No samples were reported to contain TPHg, TPHd, BTEX, or oxygenates above the laboratory reporting limits.

SOIL SAMPLE RESULTS

Numerous soil samples have been collected at the Site from soil borings and UST confirmation sampling points. Soil samples were reported to have been analyzed for various constituents of concern (CoCs), including: TPH, TPHg, TPHd; BTEX; other VOCs; and total lead, and polynuclear aromatic hydrocarbons (PAHs). The soil sample results are presented in Tables 1 through 4 and in Figures 4, 5, and 6.

TPH

The soil samples were reported to have detectable concentrations of TPHg, TPHd, VOCs, total lead, and PAHs. No detectable concentrations of PAHs have been reported in the soil samples analyzed. The following table summarizes the reported TPH soil sample analytical results collected at the Site.

Total Petroleum Hydrocarbons (TPH) (CA DHS LUFT Method)	Number of Soil Samples Analyzed	Number of Soil Samples with Concentrations Above Laboratory Reporting Limits	UST Removal Sample Concentration Range (mg/kg)	Post Excavation Confirmation Samples Concentration Range (mg/kg)
Four 10,000-Gallon UST Investigation (2004)				
TPHg; C_6- C_{12}	22	Removal 2; Post 1	0.5 to 160	170
TPHd; C_{13} – C_{22}	22	Removal 3; Post 3	27 to 18,000	22.6 to 2,996

BTEX and Oxygenates

Selected soil samples at the Site have been analyzed for BTEX and oxygenates. During the previous Site assessment activities in August 2000, seven soil samples were analyzed for BTEX and oxygenates, and no detectable concentrations were reported.

2 SITE DESCRIPTION SUMMARY

Site Name:	Jet Source, Inc.
Site Address:	2056 Palomar Airport Road Carlsbad, California 92008
Site Owner:	County of San Diego Airports
Responsible Party:	Jet Source, Inc.
RWQCB Case No:	TSMC: 50-4185.05
Assessor's Parcel Number (APN):	213-020-18
Geotracker Global ID:	T0607302335

3 OBJECTIVES

The objectives of this scope of services were to:

- To assess groundwater depth and hydraulic gradient at the Site.
- To further assess the vertical and horizontal extent and concentration of petroleum hydrocarbons and oxygenates in soils at the Site.
- To assess the possible presence and concentration of dissolved petroleum hydrocarbons, VOCs, and oxygenates, and the possible presence of PSH in the shallow groundwater at the Site.

4 SCOPE OF SERVICES

PREPARATION FOR FIELD WORK

Site Assessment Workplan

In general accordance with Title 23 of the California Code of Regulations (CCR), the DEH required that a workplan be prepared for site assessment activities at the Site. A workplan dated July 29, 2005 and prepared by AGI of Brea, California (Workplan) detailed the installation of three monitoring wells pursuant to the DEH's request. The Workplan implemented by SCS described the field procedures to be utilized in the field investigation, the type of laboratory analyses to be performed on soil and groundwater samples, and proposed locations of soil borings/groundwater monitoring wells. The workplan was approved by the DEH in a letter dated August 15, 2005.

Preparation and Submittal of Groundwater Monitoring Well Permit Application

Because wells were proposed to be installed at the Site, a monitoring well permit application was completed and submitted to the DEH for approval along with the required fee. The permit application reflected groundwater monitoring well construction details and was signed by the appropriately licensed professional. Permit number LMON104333 was issued by the DEH prior to drilling and sampling. A copy of the application and permit are included in the Appendix B.

Site Health and Safety Plan

A Site health and safety plan (Plan) is required for work conducted at the Site by workers within the "exclusion zone" pursuant to the regulations in 29 Code of Federal Regulations (CFR) Part 1910.120 and Title 8 CCR Section 5192. A Plan was prepared to outline the potential chemical and physical hazards that may be encountered during the drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the Site-specific chemical and physical hazards were detailed in this Plan. All field personnel involved with the field work were required to read and sign the document in order to encourage proper health and safety practices.

Utility Search and Markout

Prior to drilling, SCS contacted Underground Service Alert (USA) and contracted with a private underground utility search company (Underground Locating Services [ULS]) to attempt to locate subsurface utilities and improvements at the Site to minimize the likelihood of drilling into an underground utility. No underground utilities were identified by ULS in the vicinity of the former UST or drilling locations. USA notified SBC, San Diego Gas and Electric, Carlsbad Municipal Water District (CMWD), and the Kinder Morgan pipeline services.

Project Management, Subcontractor Management, and Scheduling

Prior to mobilizing for field work, SCS coordinated with County of San Diego Airports and Landfill staff regarding the Assessment scheduling and sampling locations, and SCS notified and scheduled the subcontractors including the laboratory, the drilling company, and USA.

FIELD ACTIVITIES - DRILLING OF FIVE SOIL BORINGS AND INSTALLATION OF MONITORING WELLS

Site Safety

The following procedures were used to conduct the drilling activity in a safe manner:

- Procedures stated in the Site Health and Safety Plan were followed;
- Barricades and caution tape were placed around the work area to establish an exclusion zone;
- Unauthorized personnel were not permitted to enter the exclusion zone; and
- Air monitoring was conducted in the work area and along the perimeter of the exclusion zone. Please note that at no time did vapor concentrations exceed the limits established in the Site Health and Safety Plan.

Drilling of Five Soil Borings and Soil Sampling

Drilling of Soil Borings

In accordance with the approved Workplan, five soil borings were drilled on February 7 through February 9, 2007 at locations throughout the Site to assess the extent of petroleum hydrocarbon-bearing soil and to facilitate the installation of monitoring wells. Three soil borings were converted into monitoring wells. The soil boring/monitoring well locations are shown in Figure 3, and boring logs are included in Appendix C.

The soil borings were drilled with a hollow-stem auger drill rig supplied by Baja Exploration (BAJA). A Professional Geologist was on Site to observe the drilling activity and describe collected soil samples. Soil samples were described in general accordance with the Unified Soil Classification System.

Borings MW3 and MW3A were drilled in locations downgradient from the former UST pit. During drilling, trash was encountered in these locations at depths of 7 and 10 feet bgs, respectively. To avoid completing a boring and installing a monitoring well potentially screened in trash related to the closed landfill immediately adjacent to the Site, drilling was stopped in these two locations and the boring locations, were moved further to the west. Trash was encountered in the boring MW3C at a depth of 5 feet. However, since native soils were encountered below 6 feet bgs in boring MW3C, a well was completed in this location because it was apparent that the screened interval of the well would be in native material and the portion of the boring that did extend through trash would be sealed with bentonite grout.

Boring MW3C was drilled on February 7, 2007 to a total depth of 35 feet. Because of reported slow groundwater recharge in the Site vicinity, and because no groundwater was encountered during drilling operations, the drilling augers were left in the ground overnight. This allowed for groundwater to recharge into the open boring and provide a more accurate depth-to-groundwater measurement for well screen placement.

Based on the groundwater recharge in boring MW3C, both borings MW1 and MW2 were drilled to a depth of 35 feet. Groundwater was encountered at approximately 30 feet bgs in MW2 during drilling operations. The proposed target depth of 35 to 40 feet bgs was proposed on information given to SCS by the DEH concerning the approximate depth to water in the area and a review of Geosyntec's semi-annual groundwater monitoring report for the Palomar Airport Landfill.

During the drilling of borings MW1, MW2, and MW3C, soil samples were collected at 5-foot intervals with a split-spoon type sampler and at changes in lithology. Soil cuttings were also observed and collected in bag samples in order to accurately assess the thickness of any observed soil impacts. Soil samples were driven into brass tubes, which were covered with Teflon® sheeting, tightly closed with end caps, labeled, and stored in an appropriate ice-packed cooler for submittal to a laboratory for analysis. The soil samples were submitted for analysis to a state-accredited, on-Site mobile laboratory, provided by H&P Mobile Geochemistry (H&P). Chain-of-custody procedures were implemented for sample tracking.

As required by San Diego County guidelines, the augers were precleaned to minimize the likelihood of cross-contaminating the borings and to minimize the potential for a false positive in the soil samples analyzed. The split-spoon soil sampler was cleaned between sample collection by using a four-bucket wash consisting of an Alconox-water wash, followed by two tap water rinses and a final rinse with deionized water.

Soil cuttings were placed in labeled 55-gallon drums and stored on-Site for later disposal.

Sample Analyses

Soil samples collected from each 5-foot interval in soil borings MW1, MW2 and MW3C were submitted to a state-accredited laboratory, provided by H&P, and analyzed for TPHg and TPHd in general accordance with CA DHS LUFT method. Each TPH sample chromatogram was then compared to reference chromatogram for TPH as aviation gas (TPHav) and TPH as Jet A fuel (TPHj). Selected soil samples from the borings were analyzed in general accordance with EPA Method 8260B for volatile organic compounds including BTEX, methyl tertiary butyl ether (MTBE), and di-isopropyl ether (DIPE), tertiary amyl methyl ether (TAME), ethyl tertiary butyl ether (ETBE), and tertiary butyl alcohol (TBA).

Installation of Three Groundwater Monitoring Wells

Three groundwater monitoring wells (MW1, MW2, and MW3C) were installed at the Site (Figures 2 and 3), on February 8 and 9, 2007 to a total depths of approximately 35 feet below grade. Monitoring well MW1 was installed in the northwest corner of the former UST excavations, and monitoring well MW2 was installed upgradient of the former UST locations. Boring MW3C was converted to monitoring well at the estimated downgradient location with respect to the former UST excavation (Figure 3).

The wells were constructed with 4-inch-diameter PVC casings, with the screened interval consisting of a 20-feet of 0.010-inch slotted casing that extended both above and below the field-interpreted groundwater surface. A grade 2/12 sand pack was placed around the PVC casings and two feet above the screened interval. Well construction details are presented in Table 5.

The wells were constructed in general accordance with DEH guidelines and State of California requirements. Immediately following the installation of the screen, casing, and sandpack, and before placement of the bentonite well seal, MW2 was surged to allow for sandpack settlement. MW1 and MW3 were not surged prior to seal placement because there was no water observed in these wells during drilling operations or well construction activities.

The wells were surged and developed on March 8, 2007, in accordance with DEH guidelines to remove fines from the well casing by pumping/bailing water until its clarity improved. Development water was placed in appropriate 55-gallon drums, which were labeled, and left on-Site pending receipt of analytical results and evaluation of disposal options.

After completion, the monitoring wells were surveyed by a licensed land surveyor (Project Design Consultants [PDC]) on March 16, 2007, for both vertical and horizontal control and to allow for an accurate estimate of groundwater elevation and gradient.

FIELD ACTIVITIES – 2007 SAMPLING AND ANALYSIS OF GROUNDWATER MONITORING WELLS

Purging and Sampling of Groundwater Monitoring Wells

The newly-installed monitoring wells were sampled on March 16, 2007 by SCS. The wells were monitored and sampled in accordance with DEH guidelines. Depth-to-groundwater measurements were taken using an interphase probe with a manufacturer's reported accuracy of 0.01 foot. PSH were not identified in any of the wells during the gauging or sampling. Approximately one-borehole volume of water was removed from monitoring wells MW1 and MW2, and approximately three-borehole volumes of water was removed from monitoring well MW3 using a downhole pump. Based on the recharge rates observed, MW1 and MW2 were interpreted to be slow recharging, and MW3 was interpreted to be fast recharging. Temperature, conductivity, turbidity, dissolved oxygen, and pH were monitored in each well during purging and sampling activities using an Horiba U-22XD instrument. Details of well purging activities are presented in the Appendix E.

After appropriate recovery, a groundwater sample was collected from each well with a single-use, disposable bailer, and decanted into appropriate, laboratory-supplied containers. The samples were labeled and placed in an ice-packed cooler for transport under chain of custody to

the laboratory for analysis. Purge water was placed in appropriate 55-gallon drums, which were labeled and left on-Site pending evaluation of disposal options.

Groundwater Sample Analysis

The groundwater samples for both wells were submitted to H&P for analysis for the following:

- TPHg and TPHd in general accordance with the DHS LUFT Method; and
- VOCs in general accordance with EPA Method 8260B.

Disposal of Drummed Soil Cuttings, Rinsate Water and Purged Groundwater

Soil cuttings generated during the installation of the monitoring wells were placed in 55-gallon drums for transport off Site at the end of the well installation program. Purged groundwater and rinsate generated during groundwater sampling was placed in 55-gallon drums for transport off Site. SCS submitted the necessary documentation to Soclaris Contracting (Soclaris) for the disposal of the drummed soil cuttings, rinsate water, and purged groundwater. Twenty-one drums were transported off Site for treatment and re-use under a nonhazardous waste manifest on April 9, 2007. A copy of the Non-Hazardous Waste Manifest is included in the Appendix F.

FIELD ACTIVITIES – 2012 GROUNDWATER GAUGING

Pursuant to the requirements of the RWQCB, the wells were gauged for groundwater depth and monitored for the presence of PSH. Depth-to-groundwater measurements were taken using an interphase probe with a manufacturer's reported accuracy of 0.01 foot. PSH were not identified in any of the wells during the gauging or sampling. Details of well gauging activities are presented in Appendix E.

5 FINDINGS

TOPOGRAPHY

As reported by a topographic survey performed at the Site by PDC, the elevations at the Site range from approximately 313 to 315 feet above mean sea level. Topography generally slopes toward the southeast in the vicinity of the Site.

GEOLOGY

As interpreted from a geologic map prepared by F. Harold Weber, Jr. (1982), the Site is underlain by the Tertiary-aged Del Mar and Santiago Formations. According to Weber, the Del Mar and Santiago Formations generally consist of mostly non-marine, undifferentiated deposits (sandstones, clayey sandstones, siltstones), pale gray to white quartz-feldspar sandstone, and siltstones and brownish to grayish claystones.

Also, based on a review of a report titled, *Palomar Airport Landfill, Carlsbad, California, Solid Waste Water Quality Assessment Test, Final SWAT Report*, dated April 9, 1993, prepared by Metcalf & Eddy, Inc., and Geotechnical Consultants (SWAT report), the Site is underlain by the

Tertiary Santiago Formation. The SWAT report described the Santiago Formation in this area as consisting of "fine to coarse-grained sandstone with minor amounts of interbedded claystone and siltstone in the near surface, with claystone becoming more prevalent at depth." Please note that, in this Report, the geologic formation encountered at the Site is referred to as the Santiago Formation; however, it is also referred to as the Del Mar Formation by Weber. The following is a description of the geologic materials encountered at the Site.

- Fill Soil: Fill soil was encountered at the Site and generally consisted of brown, medium- to coarse-grained sand with some silt and clay. The fill soil extended to a maximum depth of approximately 5.5 feet below grade.

- Santiago Formation: Sand and clay of the Santiago Formation were encountered throughout the Site at between 3 and 5.5 feet below grade to the maximum depth encountered (35 feet below grade). This unit generally consisted of very dense, moist to saturated, yellowish- and orangish-gray, fine- to very-fine grained sand and clay, with varying amounts of silt.

Copies of the referenced soil boring logs are included in the Appendix C. The interpreted geology of the Site and surrounding vicinity is presented in cross sections A-A' and B-B' (Figures 10 and 11), respectively.

HYDROGEOLOGY

The Site is interpreted to be located in the Encinas hydrologic area of the Carlsbad hydrologic unit. Groundwater within this hydrologic area has no existing or potential beneficial uses and has been exempted from municipal use designation by the RWQCB under the terms and conditions of State Board Resolution No. 88-63, Sources of Drinking Water Policy.

Currently, available data indicate that unconfined groundwater conditions occur at the Site. Review of the lithologic logs does not indicate the obvious presence of perched water or confining zones or layers at the Site, although this possibility cannot be precluded.

March 2007 Groundwater Monitoring

During the advancement of MW2, moist to saturated soil was encountered at a depth of 30 feet below grade in the field; however, saturation was not observed in locations MW1 or MW3C, due to the relatively low permeability of the fine-grained sand and clay. During the March 2007 sampling event, groundwater was encountered between 21 and 25 feet bgs after allowing the groundwater to equilibrate in MW1, MW2, and MW3C for several days. Groundwater elevations were calculated based on the surveyed top of casing elevations and the measured depth to groundwater in the wells (Table 5). PSH were not identified in any of the wells during the gauging or sampling. As shown on the groundwater elevation maps (Figure 7), the groundwater was interpreted to incline in a generally southeast direction at a gradient of approximately 0.08 during the March 2007 gauging event.

April 2012 Groundwater Monitoring

During the April 2012 sampling event, groundwater was encountered between 20.60 and 25.95 feet bgs in monitoring wells MW1, MW2, and MW3C. Groundwater elevations were calculated based on the surveyed top of casing elevations and the measured depth to groundwater in the

wells (Table 5). PSH were not identified in any of the wells during the gauging or sampling. Approximate contours of the shallow groundwater surface elevations were then plotted and a groundwater gradient was estimated. As shown on the groundwater elevation map for April 2012 (Figure 8), the groundwater was interpreted to incline in a generally southeast direction at a gradient of approximately 0.08 during the April 2012 gauging event.

LABORATORY ANALYTICAL RESULTS

A summary of the analytical results is presented in Tables 3, 4, and 6, and on Figures 5 and 6. The laboratory reports and chains of custody documentation are included in the Appendix G.

Soil Samples

Total Petroleum Hydrocarbons

No detectable concentrations of TPHg or TPHd were reported in the soil samples analyzed.

BTEX

Selected soil samples were submitted to off-Site laboratory and analyzed in general accordance with EPA Method 8260B for BTEX compounds (Table 4 and Figure 6).

No detectable concentrations of BTEX compounds were reported in the soil samples analyzed.

MTBE, DIPE, TAME, ETBE, and TBA

No detectable concentrations of MTBE, TBA, DIPE, TAME or ETBE were reported in the soil samples analyzed.

Groundwater Samples

A summary of the groundwater sampling results for the March 2007 is presented in Table 6. The laboratory reports and chains of custody are included in the Appendix G.

Total Petroleum Hydrocarbons

TPHg

Detectable concentrations of TPHg were reported in two of the three groundwater samples collected from the monitoring well network in March 2007. Reported concentrations of TPHg ranged from 500 micrograms per Liter (µg/L) in the sample collected from MW3 to 1500 µg/L in the sample collected from MW1.

TPHd

Detectable concentrations of TPHd were not reported in any of the groundwater samples collected from the monitoring well network in March 2007

BTEX

BTEX constituents were reported as follows in the groundwater samples collected and analyzed in March 2007:

- Benzene was reported at concentrations ranging from 1.8 µg/L (MW3) to 39 µg/L (MW1)
- Toluene was reported at concentrations ranging from 8.3 µg/L (MW3) to 670 µg/L (MW1)
- Ethylbenzene was reported at concentrations ranging from 2.0 µg/L (MW2) to 16 µg/L (MW1)
- Total xylenes were reported at concentrations ranging from 5.9 µg/L (MW2) to 93 µg/L (MW1).

MTBE, ETBE, DIPE, TAME, and TBA

MTBE was reported at a concentration of 1.5 µg/L in the groundwater sample collected from MW1, and was not reported at detectable concentrations in the groundwater samples collected from MW2 or MW3. ETBE, DIPE, TAME, and TBA were not reported at detectable concentrations in the groundwater samples collected from MW1, MW2, or MW3.

DELINEATION OF PETROLEUM HYDROCARBON-BEARING SOIL

Interpreted Vertical Extent of Petroleum Hydrocarbon-Bearing Soil in the Vicinity of the Former UST

Based on the analytical results for soil samples TP1, TP2, TP6,and TP7 collected during the removal UST 3 and 4, we judge that the vertical extent of petroleum hydrocarbon-bearing soil in the vicinity of the former UST has been assessed (Figures 10 and 11). The principal source areas of petroleum hydrocarbons in soil at the Site are the locations of the UST 3 and 4. Petroleum hydrocarbon-bearing soil is interpreted to have extended to maximum depth of at least 22 feet bgs (TP1-D22).

Interpreted Horizontal Extent of Petroleum Hydrocarbon-Bearing Soil in the Vicinity of the Former UST

Based on the analytical results for soil samples MW1, MW2, and MW3C, in combination with confirmation samples collected during soil over-excavation in 2005, we judge that the horizontal extent of petroleum hydrocarbon-bearing soil in the vicinity of the former UST has been assessed (Figures 4, 5, 10 and 11). As mentioned above, the principal source areas of petroleum hydrocarbons in groundwater at the Site are interpreted to be the locations of the UST tank pit (USTs 3 and 4).

Interpreted Volume of Petroleum Hydrocarbon-Bearing Soil

The volume of petroleum hydrocarbon-bearing soil removed in the vicinity of the former USTs three and four was reported by AGI as 610 tons. This soil was disposed of at Candeleria under manifest. The previous UST investigation by EBS estimated that there was approximately 45 cubic yards of petroleum hydrocarbon-bearing soil remaining beneath the former UST (removed in 1999).

Delineation of Petroleum Hydrocarbon-Impacted Groundwater

Based on the data obtained during the groundwater sampling and analysis of the three wells, the extent of dissolved TPHg and BTEX has been partially delineated. Additional assessment to the southeast of the MW3C would likely lead to wells being placed within solid waste and constructed with screened interval across trash/debris in-place in order to intercept shallow groundwater. We question whether these wells, under these conditions, would produce any reliable and usable data. In addition, any groundwater well-constructed inside the landfill boundary may put the integrity of the landfill cover system at risk and create a preferential pathway for the migration of water of CoCs within the landfill.

PHASE SEPERATED HYDROCARBONS

A comparison of the observed soil characteristics and the maximum reported concentrations of petroleum hydrocarbons reported to be present in soil samples collected from the soil borings to those presented in the DEH Site Assessment and Mitigation (SAM) manual (2004) with respect to residual saturation indicate that it is unlikely residual saturation has occurred with respect to these samples. A comparison of residual saturation to the maximum concentrations of petroleum hydrocarbons reported to be present in the post remediation UST confirmation and assessment soil samples collected at the Site are presented in the following table.

Comparison of Residual Saturation to the Highest Reported Soil Sample Concentrations of Petroleum Hydrocarbons

Formation	Sample ID	Generalized Soil Type	Site Soil Sample Concentrations	
			Gasoline (mg/kg)	Diesel #2 (mg/kg)
DEH Reference Residual Saturation Values		Silty Sand	5,600	10,000
		Fine Sand	2,900	5,400
		Clay	44,000	82,000
Santiago Formation	TP1-D22	Silty Sand	170	2,996
	MW1R-23.5	Clay	<10	<10

Notes:
Residual Saturation values for petroleum hydrocarbons (carbon ranges C6 - C12) for silty sand, fine sand, and clay as listed in table 5-8 of the DEH SAM Manual (2004). Soil sample TPH concentrations reported below the reference residual saturation values indicate that PSH is below residual saturation and is likely not mobile in the subsurface. mg/kg = milligrams per kilogram.

The Site is located in a non-beneficial use groundwater basin that has no existing or potential beneficial uses and has been exempted from municipal use designation. PSH was not identified in any of the wells during the gauging or sampling. Therefore, based on the available data,

applicable water quality objectives have not been exceeded[2] and free product has not been detected nor created a nuisance.

EXPOSURE CONCERNS

Based on our current understanding, there are only two potentially complete exposure pathways associated with petroleum hydrocarbons in soil: inhalation due to vapor migration and migration to groundwater. Because the area of petroleum hydrocarbon-bearing soil in the vicinity of the former USTs is covered by concrete paving, we judge that there are no complete pathways for direct dermal contact with, or ingestion of, petroleum hydrocarbon-bearing soil.

Additionally, occupied structures downgradient of the Site are at least 1,100 feet southeast of the release. So while the extent of the plume may not be fully delineated, it is highly unlikely that the plume has resulted in vapor migration/intrusion given the lack of nearby occupied structures.

An assessment of the possible exposure concerns due to inhalation of vapors was not competed during this assessment.

[2] The Basin Plan, page 10 of Chapter 2, states "The Regional Board has deleted beneficial use designations in portions of certain hydrologic ground water units, areas, or subareas. Available information indicated that the beneficial uses in portions of these hydrologic ground water basins did not occur and were not likely to occur in the future."

According to the Basin Plan, the Site is located in the Encinas hydrologic area of the Carlsbad hydrologic unit (904.40). This can be verified by viewing the Basin Plan Area Map. Page 53 of Chapter 2 of the Basin Plan identifies the basin as having no existing or potential beneficial uses and as being exempt from municipal uses. Therefore, the maximum contaminant levels (MCLs) for drinking water or other common water quality objectives are not judged to be applicable to the groundwater at the Site. In other words, water quality based ground water cleanup standards, in our opinion, do not apply because there are no beneficial uses to protect.

6 CONCLUSIONS

Based on the data obtained and reviewed as part of this investigation, laboratory results, and current regulatory guidelines and our experience, it is our professional opinion that:

- This Site is interpreted to be in Encinas hydrologic area of the Carlsbad hydrologic unit. Groundwater within this hydrologic area has no existing or potential beneficial uses and has been exempted from municipal use designation by the Regional Board under the terms and conditions of State Board Resolution No. 88-63, Sources of Drinking Water Policy. The groundwater beneath the Site ranges from approximately 21 to 26 feet below grade. Groundwater at the Site is interpreted to flow southeast at an approximate gradient of 0.08.

- Soils beneath the Site, as interpreted from soil descriptions made during drilling consist of fill soils to a maximum depth of 5.5 feet that generally consisted of brown, medium- to coarse-grained sand with some silt and clay. Sand and clay of the Santiago Formation were encountered throughout the Site at between 3 and 5.5 feet below grade to the maximum depth drilled at the Site (35 feet below grade). This unit generally consisted of very dense, moist to saturated, yellowish and orangish gray, fine to very fine grained sand and clay, with varying amounts of silt.

- The principal source areas of petroleum hydrocarbons in soil and groundwater at the Site are the locations of the UST tank pit (USTs 3 and 4). In general it appears that the petroleum hydrocarbons have migrated through the vadose zone, and upon reaching the capillary fringe and groundwater surface, have spread laterally in a hydraulically downgradient direction through the capillary fringe and groundwater. This hypothesis is corroborated by both soil and groundwater sampling results from this investigation.

- No detectable concentrations of TPHg, TPHd, or BTEX were reported in the soil samples analyzed from soil borings MW1, MW2, and MW3C.

- The vertical and horizontal extents of petroleum hydrocarbon-bearing soil in the vicinity of the former underground storage tanks (USTs) at the Site have been delineated and adequately assessed.

- Petroleum hydrocarbons have impacted the shallow groundwater at the Site. Based on the available information, petroleum hydrocarbon-bearing groundwater is interpreted to extend to at least MW3C, downgradient of the former UST location and upgradient to MW1.

- The Site is located in a non-beneficial use groundwater basin that has no existing or potential beneficial uses and has been exempted from municipal use designation. PSH was not identified in any of the wells during the gauging or sampling. Therefore, based on the available data, applicable water quality objectives have not been exceeded and free product has not been detected nor created a nuisance.

- Some the highest concentrations of CoCs were detected in MW-1, upgradient of the source area.

- SCS cannot assess the potential for vapor phase migration or intrusion into the hanger structure at the Site.

7 REPORT USAGE AND FUTURE SITE CONDITIONS

This Report is intended for the sole usage of the Client and parties designated by SCS. Use of this Report is subject to the provisions of the fully executed Contract between the Client and SCS. Any third party usage of this Report shall be subject to the provisions of the Contract and any unauthorized misuse of or reliance upon the Report shall be without risk or liability to SCS.

The conclusions of this Report are judged to be relevant at the time the work described in this Report was conducted. Future conditions may differ and this Report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of Phase II environmental assessments in San Diego County is consulted to assess the necessity of updating this Report.

Although this Assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons that include, but are not limited to: 1) inadequate or inaccurate information rightfully provided to SCS by third parties, such as public agencies and other outside sources; 2) the limited scope of this Assessment; and 3) the presence of undetected, unknown, or unreported environmental releases.

8 LIKELIHOOD STATEMENTS

Statements of “likelihood” have been made in this report. Likelihood statements are based on professional judgments of SCS. The term “likelihood,” as used herein, pertains to the probability of a match between the prediction for an event and its actual occurrence. The likelihood statement assigns a measure for a “degree of belief” for the match between the prediction for the event and the actual occurrence of the event.

The likelihood statements in this Report are made qualitatively (expressed in words). The qualitative terms can be approximately related to quantitative percentages. The term “low likelihood” is used by SCS to approximate a percentage range of 10 to 20 percent; the term “moderate likelihood” refers to an approximate percentage range of 40 to 60 percent; and the term “high likelihood” refers to an approximate percentage range of 80 to 90 percent.

TABLES

Table 1
UST Removal Soil Sample Analytical Results
Jet Source, Inc.
2056 Palomar Airport Road, Carlsbad, California

Sample Number/ Constituent	Depth (feet)	TPH C_6-C_{12}	TPH C_{13}-C_{24}	TPH C_{25}-C_{40}	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Other Oxygenates (mg/kg)	Other VOCs (mg/kg)
T1W	17	**0.5**	<10	<10	<0.005	**0.41**	<0.005	<0.005	<0.005 - <0.02	<0.005 - <0.02
T1E	17	<0.1	<10	<10	--	--	--	--	--	--
T2W	15	<0.1	<10	<10	--	--	--	--	--	--
T2E	15	<0.1	<10	<10	--	--	--	--	--	--
T3W	14	<0.1	<10	<10	--	--	--	--	--	--
T3E	14	<0.1	**27**	<10	--	--	--	--	--	--
T4W	14	<0.1	**1,600**	<10	--	--	--	--	--	--
T4E	14	**160**	**18,000**	<10	<0.005	<0.005	<0.005	<0.005	<0.005	n-propylbenzene - 4.2 1,3,5-trimethylbenzene - 6.3 1,2,4-trimethylbenzene-14 p-isopropyltoluene -3.6 n-butylbenzene-4.2
P1	3.5	<0.1	<10	<10	--	--	--	--	--	--
P2	3.5	<0.1	<10	<10	--	--	--	--	--	--

Notes:

Samples collected by Advanced GeoEnvironmental (2004).

Concentrations reported in milligrams per kilogram (mg/kg).

Soil samples analyzed for total petroleum hydrocarbons (TPH) in general accordance with EPA Method 8015B and benzene, toluene, ethylbenzene and xylenes (BTEX), other oxygenates, and volatile organic compounds (VOCs) in general accordance with EPA Method 8260B.

< indicates the reported concentration was below the laboratory reporting limit for the relevant analytical method.

Table 2
UST Removal Confirmation Soil Samples Analytical Results
Jet Source, Inc.
2056 Palomar Airport Road, Carlsbad, California

Sample Number	Depth	TPH C_8-C_9	TPH C_{10}-C_{19}	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MTBE and Other Oxygenates	Other VOCs (mg/kg)
TP1-D22	22	**170**	**2,996**	<0.02	<0.02	**0.18**	**1.2**	--	--
				--	--	--	--		
TP2-D25	25	<1.8	<1.8	<0.005	<0.005	<0.005	<0.015	ND	Methylene chloride - **0.047**
				<0.02	*<0.02*	*<0.02*	*<0.004*		
ESW-D14	14	<1.8	<1.8	<0.005	<0.005	<0.005	<0.015	ND	ND
				<0.02	*<0.02*	*<0.02*	*<0.004*		
SSW4-D12	12	<1.8	**22.6**	<0.005	<0.005	<0.005	**0.021**	ND	ND
				<0.02	*<0.02*	*<0.02*	*<0.004*		
NSW5-D13	13	<1.8	**37.7**	<0.005	<0.005	<0.005	<0.015	ND	ND
				<0.02	*<0.005*	*<0.005*	*<0.004*		
TP6-D20	20	<1.8	<1.8	<0.005	<0.005	<0.005	<0.015	ND	ND
				<0.02	*<0.02*	*<0.02*	*<0.004*		
TP7-D20	20	<1.8	<1.8	<0.005	<0.005	<0.005	<0.015	ND	ND
				<0.02	*<0.02*	*<0.02*	*<0.004*		
WSW8-14	14	<1.8	<1.8	<0.005	<0.005	<0.005	<0.015	ND	ND
				<0.02	*<0.02*	*<0.02*	*<0.004*		
NSW9-15	15	<1.8	<1.8	<0.005	<0.005	<0.005	<0.015	ND	Methylene chloride - **0.02**
				<0.02	*<0.02*	*<0.02*	*<0.004*		
NSW10-D15	15	<1.8	<1.8	<0.005	<0.005	<0.005	<0.015	ND	ND
				<0.02	*<0.02*	*<0.02*	*<0.004*		
SSW11-16	16	<1.8	<1.8	<0.005	<0.005	<0.005	<0.015	ND	Methylene chloride - **0.028**
				<0.02	*<0.02*	*<0.02*	*<0.004*		
SSW12-D16	16	<1.8	<1.8	<0.005	<0.005	<0.005	<0.015	ND	ND
				<0.02	*<0.02*	*<0.02*	*<0.004*		

Notes:

Soil samples collected by Advanced GeoEnvironmental (2004).

Non-italic samples were analyzed via EPA Method 8260B, and italized samples were analyzed via EPA Method 8021.

Concentrations reported in milligrams per kilogram (mg/kg).

Soil samples analyzed for total petroleum hydrocarbons (TPH) in general accordance with EPA Method 8015B and benzene, toluene, ethylbenzene and xylenes (BTEX), other oxygenates, and volatile organic compounds (VOCs) in general accordance with EPA Method 8260B.

ND or < indicates the reported concentration was below the laboratory reporting limit for the relevant analytical method, and **bold** font indicates reported concentration was reported above the laboratory reporting limit.

ND = not reported at a concentration above the laboratory reporting limit for the relevant analytical method.
-- = not analyzed

Table 3
Soil Sample Analytical Results of Total Petroleum Hydrocarbons
Jet Source, Inc.
2056 Palomar Airport Road, Carlsbad, California

Sample Number	Soil Boring	Depth (Feet below grade)	TPHg (mg/kg)	TPHd (mg/kg)
MW1-5	MW1	5	<10	<10
MW1-10		10	<10	<10
MW1-15		15	<10	<10
MW1-20		20	<10	<10
MW1-25		25	<10	<10
MW1-30		30	<10	<10
MW1-35		35	<10	<10
MW2-5	MW2	5	<10	<10
MW2-10		10	<10	<10
MW2-15		15	<10	<10
MW2-20		20	<10	<10
MW2-25		25	<10	<10
MW2-30		30	<10	<10
MW2-35		35	<10	<10
MW3C-5	MW3C	5	<10	<10
MW3C-10		10	<10	<10
MW3C-15		15	<10	<10
MW3C-20		20	<10	<10
MW3C-25		25	<10	<10
MW3C-30		30	<10	<10
MW3C-35		35	<10	<10

Notes:

Samples collected by SCS Engineers (2007).

Concentrations reported in milligrams per kilogram (mg/kg).

TPHg = Total petroleum hydrocarbons - gasoline range, in general accordance with CA DHS LUFT Method.

TPHd = Total petroleum hydrocarbons - diesel range, in general accordance with CA DHS LUFT Method.

< indicates the reported concentration was below the laboratory reporting limit for the relevant analytical method.

The TPH chromatograms were scanned for Aviation Fuel and Jet Fuel, and neither was present in the submitted samples.

Table 4
Soil Sample Analytical Results of Volatile Organic Compounds
Jet Source, Inc.
2056 Palomar Airport Road, Carlsbad, California

Sample Number/ Constituent	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Total Xylenes (µg/kg)	MTBE (µg/kg)	DIPE (µg/kg)	TAME (µg/kg)	ETBE (µg/kg)	TBA (µg/kg)
MW1-30	<5	<5	<5	<15	<5	<5	<5	<5	<25
MW2-30	<5	<5	<5	<15	<5	<5	<5	<5	<25
MW3C-30	<5	<5	<5	<15	<5	<5	<5	<5	<25

Notes:

Samples collected by SCS Engineers (2007).

Concentrations reported in micrograms per kilogram (µg/kg).

Soil samples analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) and methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA) in general accordance with EPA Method 8260B.

< indicates the reported concentration was below the laboratory reporting limit for the relevant analytical method.

Table 5
Groundwater Elevation Data
Jet Source, Inc.
2056 Palomar Airport Road, Carlsbad, California

Monitor Well Number	Date Measured	Screened Interval (feet)	TOC Elevation (feet)	Total Depth of Well (in feet)	Depth to Product (in feet)	Depth to Water (in feet)	Product Elevation (thickness)	GW Elevation (feet)
MW1	3/16/2007	15-35	314.93	35	--	22.83	--	292.10
	4/18/2012				--	22.18		292.75
MW2	3/16/2007	15-35	313.06	35	--	21.00	--	292.06
	4/18/2012					20.60		292.46
MW3	3/16/2007	15-35	314.12	35	--	26.55	--	287.57
	4/18/2012				--	25.95	--	288.17

Notes:

Data collected by SCS Engineers.

Depth to Water = Depth to groundwater as measured in the well in feet below TOC.

TOC Elevation = Elevation of the Top of Casing in feet above approved datum. Survey performed by Project Design Consultants March 16, 2007.

GW Elevation = Elevation of groundwater as measured in well in feet above mean sea level.

Table 6
Groundwater Sample Analytical Results
Jet Source, Inc.
2056 Palomar Airport Road, Carlsbad, California

Well ID	Date Sampled	Units	TPHg	TPHd	Benzene	Toluene	Ethyl benzene	Total Xylenes	MTBE	DIPE	TAME	ETBE	TBA	Napha	PCE	TCE	cis-1,2-DCE	VC	Methylene chloride	EDB	n-Propyl-benzene	1,3,5-Trimethyl benzene	1,2,4-Trimethyl benzene	Dichlorodifluoro methane	1,4-Dichloro benzene
MW1	3/16/2007	(µg/L)	**1500**	<500	**39**	**670**	**16**	**93**	**1.5**	<1	<1	<1	<5	**1.1**	<1	<1	**6.3**	<1	<1	**5.5**	**1.6**	**3.5**	**13**	<1	<1
MW2	3/16/2007	(µg/L)	<500	<500	**7.6**	**19**	**2.0**	**5.9**	<1	<1	<1	<1	<5	**1.0**	**3.2**	**7.3**	<1	**23**	**5.7**	<1	<1	<1	**2.1**	**1.9**	**5.7**
MW3	3/16/2007	(µg/L)	**500**	<500	**1.8**	**8.3**	**4.2**	**13**	<1	<1	<1	<1	<5	**1.5**	**1.3**	**1.7**	**35**	**1.1**	**4.0**	<1	<1	**1.4**	**4.1**	<1	**2.1**

Notes:

Groundwater samples analyzed for volatile organic compounds, in general accordance with EPA Method 8260B.

< = Concentration is less than the indicated laboratory reporting limit for that sample.

TPHg = Total petroleum hydrocarbons, gasoline range (C5 to C11 based on lab report).

TPHd = Total petroleum hydrocarbons, diesel range (C12 to C24 based on lab report).

TPHg and TPHd analyzed in general accordance with California Department of Health Services LUFT Method.

BTEX= Benzene, toluene, ethylbenzene and xylenes

MTBE= Methyl tertiary butyl ether

ETBE= Ethyl tertiary butyl ether

TBA= Tertiary butyl alcohol

DIPE= Di-isopropyl ether

TAME= Tertiary-amyl methyl ether

Napha= Naphthalene

PCE= Tetrachloroethene

TCE= Trichloroethene

cis-1,2-DCE= cis-1,2-Dichloroethene

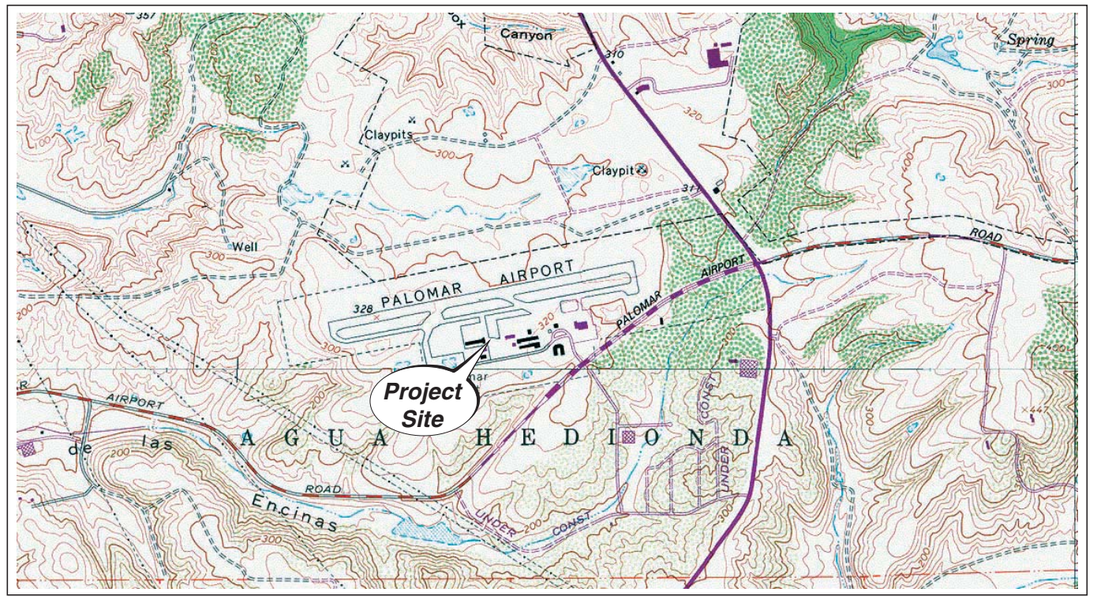
VC= Vinyl chloride

EDB= 1,2-Dibromoethane

FIGURES



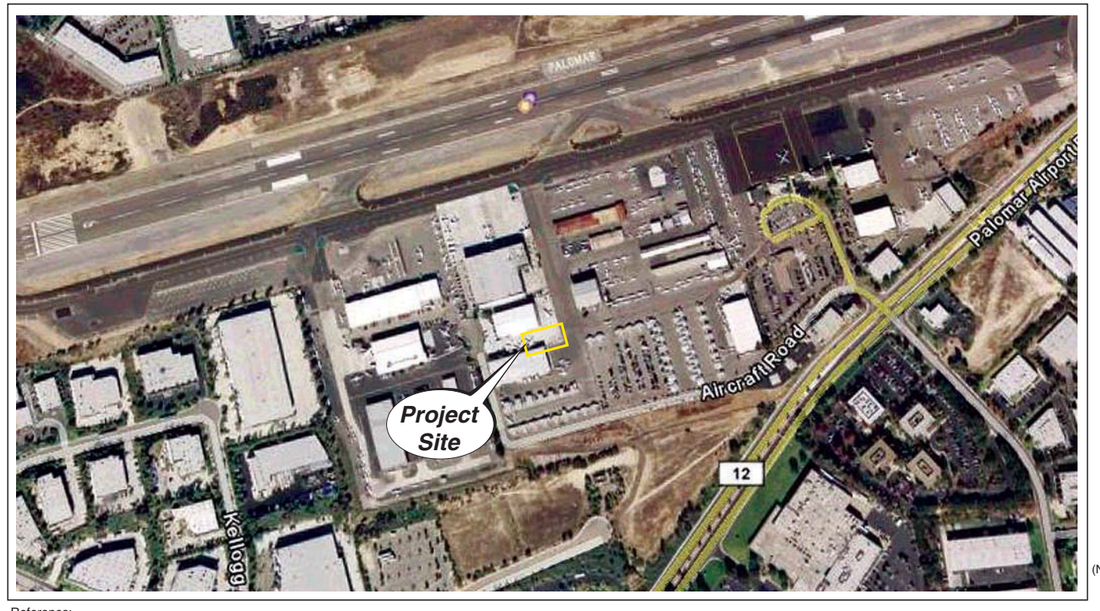
REGIONAL SITE LOCATION



Reference:
U.S.G.S. 7.5 Minute Quadrangle map
San Luis Rey, California - 1977. Photo revised 1982.

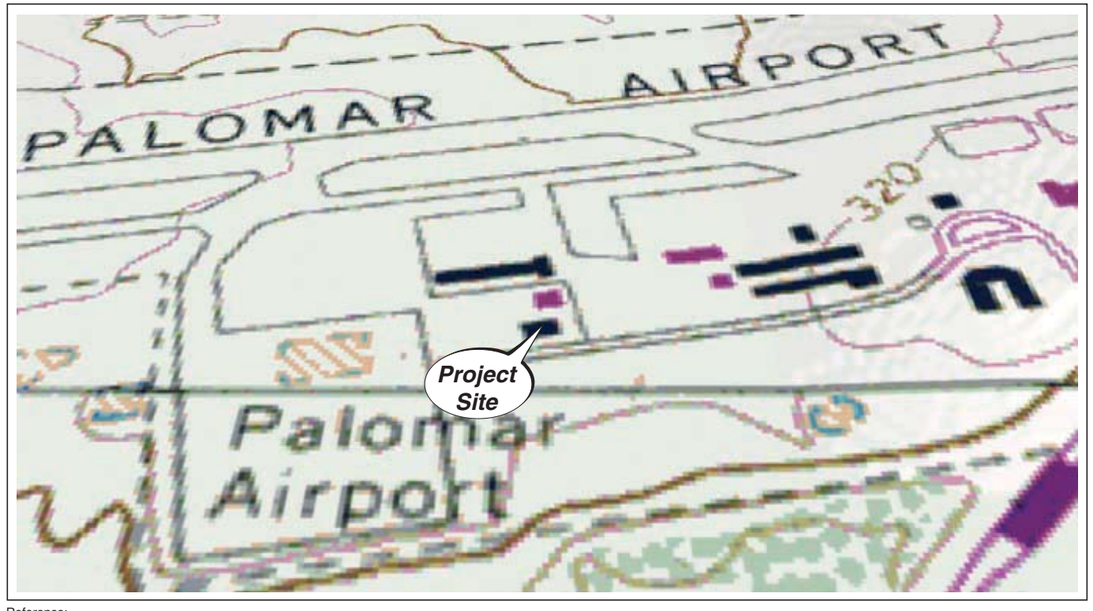
2-DIMENSIONAL SITE LOCATION

0 1,000 2,000 3,000
Approximate Graphic Scale in Feet



Reference:
Google Earth Aerial Photograph
Carlsbad, California - 2008

SITE AERIAL PHOTOGRAPH



Reference:
U.S.G.S. 7.5 Minute Quadrangle map
San Luis Rey, California - 1977. Photo revised 1982.

3-DIMENSIONAL SITE LOCATION

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

4-WAY SITE LOCATION MAP
Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, Californi

Project No.: 01206522.00

Figure 1

Date Drafted: 5/1/12



EX PLANATION

MW3 — Site groundwater monitoring well.

MW-28 — Palomar Airport Landfill groundwater monitoring well.

Former underground storage tank location

0 100 200 300

Approximate Graphic Scale in Feet

Disclaimer: This figure is an interpretation based on available data.
Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
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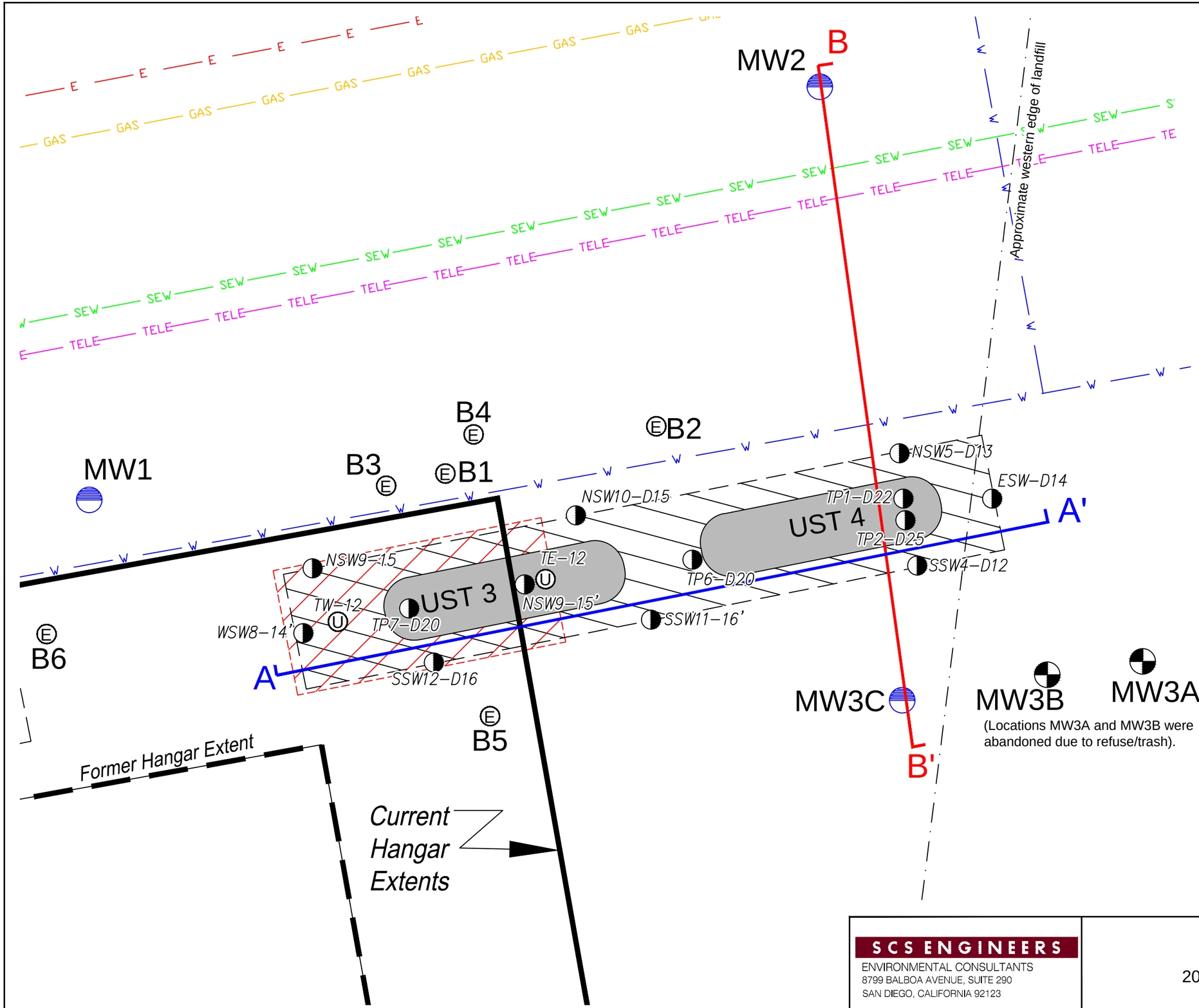
8799 Balboa Avenue, Suite 290
San Diego, California 92123

SITE VICINTIY MAP
Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, California

Project No.: 01207522.00

Figure 2

Date Drafted: 5/1/12



EXPLANATION

MW1 — Groundwater monitoring well location installed by SCS Engineers.

MW3A — Soil Boring. Completed by SCS Engineers in 2007.

TP1-D22 — UST Removal Confirmatory Soil Sample Location. Sample collected by Advanced GeoEnvironmental in 2005

E — Electric Line

SEW — Sewer Line

W — Water Line

GAS — Gas Line

TELE — Telephone Line

A — A' — Cross Section Location

E — Soil boring location completed by Environmental Business Solutions (2000). Soil borings completed during assessment activities for former 10,000-gallon UST and operated by Cinema Air Jet and removed in 1999.

U — UST removal confirmation soil samples collected by Jauregui and Culver (1999) during removal of 10,000-gallon UST.

Underground storage tank (UST) removed in August 2004.

10,000-gallon UST removal and excavation by Jauregui and Culver (1999).

UST 3 and 4 removal and excavation by Advanced GeoEnvironmental (2004).

APPROXIMATE SCALE IN FEET

10 0 10

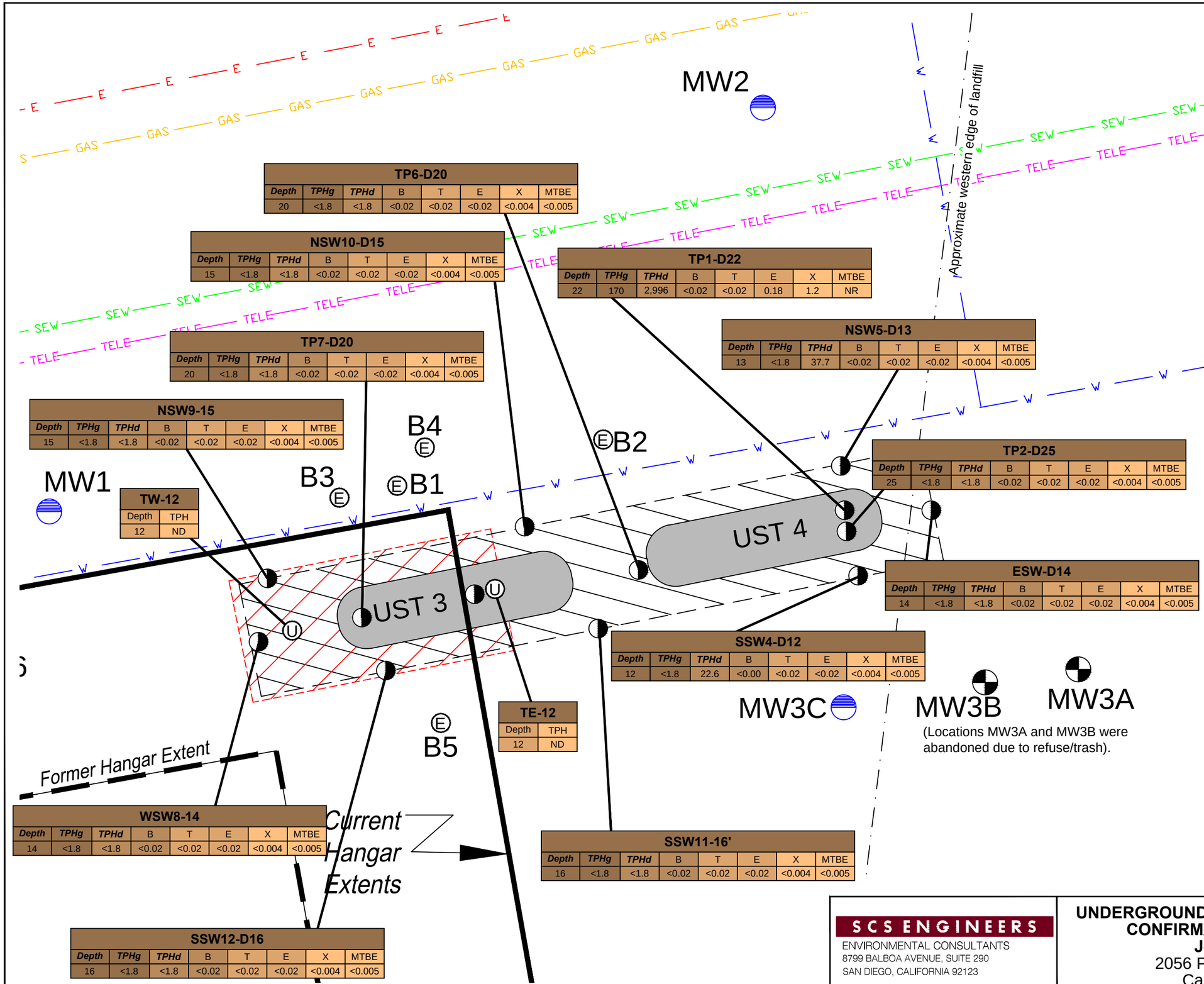
SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CALIFORNIA 92123

SITE PLAN
Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, California

Project N
0120652

Figur

Date Dra
5/1/12



TP6-D20							
Depth	TPHg	TPHd	B	T	E	X	MTBE
20	<1.8	<1.8	<0.02	<0.02	<0.02	<0.004	<0.005

NSW10-D15							
Depth	TPHg	TPHd	B	T	E	X	MTBE
15	<1.8	<1.8	<0.02	<0.02	<0.02	<0.004	<0.005

TP1-D22							
Depth	TPHg	TPHd	B	T	E	X	MTBE
22	170	2,996	<0.02	<0.02	0.18	1.2	NR

TP7-D20							
Depth	TPHg	TPHd	B	T	E	X	MTBE
20	<1.8	<1.8	<0.02	<0.02	<0.02	<0.004	<0.005

NSW5-D13							
Depth	TPHg	TPHd	B	T	E	X	MTBE
13	<1.8	37.7	<0.02	<0.02	<0.02	<0.004	<0.005

NSW9-15							
Depth	TPHg	TPHd	B	T	E	X	MTBE
15	<1.8	<1.8	<0.02	<0.02	<0.02	<0.004	<0.005

TP2-D25							
Depth	TPHg	TPHd	B	T	E	X	MTBE
25	<1.8	<1.8	<0.02	<0.02	<0.02	<0.004	<0.005

TW-12	
Depth	TPH
12	ND

ESW-D14							
Depth	TPHg	TPHd	B	T	E	X	MTBE
14	<1.8	<1.8	<0.02	<0.02	<0.02	<0.004	<0.005

SSW4-D12							
Depth	TPHg	TPHd	B	T	E	X	MTBE
12	<1.8	22.6	<0.00	<0.02	<0.02	<0.004	<0.005

TE-12	
Depth	TPH
12	ND

WSW8-14							
Depth	TPHg	TPHd	B	T	E	X	MTBE
14	<1.8	<1.8	<0.02	<0.02	<0.02	<0.004	<0.005

SSW11-16'							
Depth	TPHg	TPHd	B	T	E	X	MTBE
16	<1.8	<1.8	<0.02	<0.02	<0.02	<0.004	<0.005

SSW12-D16							
Depth	TPHg	TPHd	B	T	E	X	MTBE
16	<1.8	<1.8	<0.02	<0.02	<0.02	<0.004	<0.005

EXPLANATION

MW1 — Groundwater monitoring well location.

MW3A — Soil Boring.

TP1-D22 — UST Removal Confirmatory Soil Sample Location.

E — Electric Line

SEW — Sewer Line

W — Water Line

GAS — Gas Line

TELE — Telephone Line

Underground storage tank (UST) removed in August 2004.

TP2-D25							
Depth	TPHg	TPHd	B	T	E	X	MTBE
25	<1.8	<1.8	<0.002	<0.002	<0.002	<0.004	<0.005

UST confirmation soil samples collected by Advacnced Geoenvironmental in 2004. Soil boring showing results for Total Petroleum Hydrocarbon (TPH) analyzed in general accordance with EPA Method 8015M, concentrations reported in milligrams per kilogram (mg/kg). TPH as gasoline (TPHg), and TPH as diesel (TPHd) analyzed in general accordance with EPA Method CA DHS LUFT Method, concentrations reported in mg/kg. ND = not detected. < = indicates sample not reported above the relevant laboratory reporting limit.

E — Soil boring location completed by Environmental Business Solutions (2000). Soil borings completed during assessment activities for former 10,000-gallon UST and operated by Cinema Air Jet and removed in 1999.

U — UST removal confirmation soil samples collected by Jauregui and Culver (1999) during removal of 10,000-gallon UST.

10,000-gallon UST removal and excavation by Jauregui and Culver (1999).

UST 3 and 4 removal and excavation by Advanced GeoEnvironmental (2004).

APPROXIMATE SCALE IN FEET

10 0 10

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CALIFORNIA 92123

UNDERGROUND STORAGE TANK REMOVAL CONFIRMATION SOIL SAMPLES

Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, California

Project N 0120652

Figur

Date Drat 5/1/12

MW1		
Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	<10	<10
30	<10	<10
35	<10	<10

B3		
Depth	TPHa	TPHj
7	<10	<10
11.5	<10	<10
16	<10	<10
21	<10	<10
25.6	<10	<10
30.8	<10	<10
35.4	<10	<10

B1		
Depth	TPHa	TPHj
5	<10	<10
10	<10	<10
15.5	32,000	<10
20	21	<10
25	<10	<10
30	<10	<10
35	<10	<10
40	<10	<10
47.5	<10	<10

B4		
Depth	TPHa	TPHj
5	<10	<10
10	<10	<10
15.5	<10	<10
20	<10	<10
25	<10	<10
30.5	<10	<10
35	<10	<10

MW2		
Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	<10	<10
30	<10	<10
35	<10	<10

B2		
Depth	TPHa	TPHj
6.8	<10	<10
11.2	<10	<10
15.5	<10	<10
20	<10	<10
25	<10	<10
30	<10	<10
35.5	<10	<10

MW3C		
Depth	TPHa	TPHj
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	<10	<10
30	<10	<10
35	<10	<10

B5		
Depth	TPHa	TPHj
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	<10	<10
30	<10	<10
35	<10	<10
40	<10	<10
45	<10	<10
50.5	<10	<10

B6		
Depth	TPHa	TPHj
5.5	<10	<10
10	<10	<10
15	<10	<10

Approximate western edge of landfill

UST 3

UST 4

Former Hangar Extent

Current Hangar Extents

MW3B

MW3A

(Locations MW3A and MW3B were abandoned due to refuse/trash).

EXPLANATION

MW1 — Groundwater monitoring well location.

MW2		
Depth	TPHg	TPHd
5	<10	<10
10	<10	<10
15	<10	<10
20	<10	<10
25	<10	<10
30	<10	<10
35	<10	<10

Soil samples analyzed for total petroleum hydrocarbons as gasoline and diesel (TPHg/TPHd) in accordance with CA DHS LUFT Method. < indicates the reported concentration was below the laboratory reporting limit for the relevant analytical method. Soil samples collected by SCS Engineers (2007). Results reported in milligrams per kilogram (mg/kg).

B6		
Depth	TPHa	TPHj
5	<10	<10
10	<10	<10
15	<10	<10

Soil samples analyzed for total petroleum hydrocarbons as aviation fuel and jet fuel (TPHa/TPHj) in accordance with EPA Method 8015M Method and results compared to reference chromatogram for TPHa and TPHj. < indicates the reported concentration was below the laboratory reporting limit for the relevant analytical method. Soil samples collected by Environmental Business Solutions (2000). Results reported in mg/kg.

- E — Electric Line
- SEW — Sewer Line
- W — Water Line
- GAS — Gas Line
- TELE — Telephone Line

Underground storage tank (UST) removed in August 2004.

Soil boring location completed by Environmental Business Solutions (2000). Soil borings completed during assessment activities for former 10,000-gallon UST and operated by Cinema Air Jet and removed in 1999.

10,000-gallon UST removal and excavation by Jauregui and Culver (1999).

UST 3 and 4 removal and excavation by Advanced GeoEnvironmental (2004).

APPROXIMATE SCALE IN FEET

10 0 10

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CALIFORNIA 92123

SOIL SAMPLE TOTAL PETROLEUM HYDROCARBONS ANALYTICAL RESULTS

Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, California

Project N 0120652
Figure
Date Draf 5/1/12

B4									
Depth	B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
20	<5	<5	<5	<10	<5	<5	<5	<5	<25

B6									
Depth	B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
15	<5	<5	<5	<10	<5	<5	<5	<5	<25

B3									
Depth	B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
21	<5	<5	<5	<15	<5	<5	<5	<5	<25

MW2									
Depth	B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
30	<5	<5	<5	<15	<5	<5	<5	<5	<25

B1									
Depth	B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
15.5	<5	<5	<5	<15	<5	<5	<5	<5	<25
20	<5	<5	<5	<10	<5	<5	<5	<5	<25

B2									
Depth	B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
20	<2	<2	<2	<10	<5	<5	<5	<5	<25

B5									
Depth	B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
20	<2	<2	<2	<10	<5	<5	<5	<5	<25

MW3C									
Depth	B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
30	<5	<5	<5	<15	<5	<5	<5	<5	<25

MW1									
Depth	B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
30	<5	<5	<5	<15	<5	<5	<5	<5	<25

approximate western edge of landfill

UST 4

UST 3

Former Hangar Extent

Current Hangar Extents

EXPLANATION

MW1 — Groundwater monitoring well location.

MW2-30'								
B	T	E	X	MTBE	DIPE	TAME	ETBE	TBA
<5	<5	<5	<15	<5	<5	<5	<5	<25

Samples analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amul methyl ether (TAME), and tertiary butyl alcohol (TBA) in accordance with EPA Method 8260B. < indicates the reported concentration was below the laboratory reporting limit for the relevant analytical method. Soil sample MW3C collected by SCS Engineers (2007), all others collected by Environmental Business Solutions (2000).. Results reported in micrograms per kilogram (µg/kg).

- E — Electric Line
- SEW — Sewer Line
- W — Water Line
- GAS — Gas Line
- TELE — Telephone Line

Underground storage tank (UST) removed in August 2004.

Soil boring location completed by Environmental Business Solutions (2000). Soil borings completed during assessment activities for former 10,000-gallon UST and operated by Cinema Air Jet and removed in 1999.

10,000-gallon UST removal and excavation by Jauregui and Culver (1999).

UST 3 and 4 removal and excavation by Advanced GeoEnvironmental (2004).

APPROXIMATE SCALE IN FEET

10 0 10

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CALIFORNIA 92123

SOIL SAMPLE VOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS

Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, California

Project N 0120652

Figur

Date Draf 5/1/12

Interpreted groundwater gradient

0.08

MW2

(292.06)

292'

MW1

(292.10)

MW3C

(287.57)

288'

290'

Approximate western edge of landfill

UST 3

UST 4

Former Hangar Extent

Current Hangar Extents

EXPLANATION

MW1
(292.10)
Groundwater monitoring well location with groundwater elevation given in feet above mean sea level (MSL).

290'
Groundwater elevation contour interpreted from observations made on March 16, 2007, given in feet above MSL.

- Electric Line
- Sewer Line
- Water Line
- Gas Line
- Telephone Line

Underground storage tank (UST) removed in August 2004.

Soil boring location completed by Environmental Business Solutions (2000). Soil borings completed during assessment activities for former 10,000-gallon UST and operated by Cinema Air Jet and removed in 1999.

10,000-gallon UST removal and excavation by Jauregui and Culver (1999).

UST 3 and 4 removal and excavation by Advanced GeoEnvironmental (2004).

APPROXIMATE SCALE IN FEET

10 0 10

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CALIFORNIA 92123

GROUNDWATER ELEVATION CONTOUR
MARCH 2007
Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, California

Project N 0120652
Figur
Date Drat 5/1/12

MW2 (292.46)

292'

291'

290'

289'

Interpreted groundwater gradient

0.08

Approximate western edge of landfill

MW1 (292.75)

UST 3

UST 4

MW3C (288.17)

Former Hangar Extent

Current Hangar Extents

EXPLANATION

MW1 (292.10) — Groundwater monitoring well location with groundwater elevation given in feet above mean sea level (MSL).

290' — Groundwater elevation contour interpreted from observations made on April 18, 2012, given in feet above MSL.

- Electric Line
- Sewer Line
- Water Line
- Gas Line
- Telephone Line

Underground storage tank (UST) removed in August 2004.

Soil boring location completed by Environmental Business Solutions (2000). Soil borings completed during assessment activities for former 10,000-gallon UST and operated by Cinema Air Jet and removed in 1999.

10,000-gallon UST removal and excavation by Jauregui and Culver (1999).

UST 3 and 4 removal and excavation by Advanced GeoEnvironmental (2004).

APPROXIMATE SCALE IN FEET

10 0 10

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CALIFORNIA 92123

GROUNDWATER ELEVATION CONTOUR
APRIL 2012
Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, California

Project I 0120652
Figur
Date Drat 5/1/12

MW1	
TPHg	1,500
TPHd	<500
B	39
T	670
E	16
X	93
MTBE	1.5
Napha	1.1
PCE	<1
TCE	<1
cis-1,2	6.3
VC	<1
MC	<1
EDB	5.5
n-Pb	1.6
1,3,5-TMB	3.5
1,2,4-TMB	13
DCDM	<1
1,4-DCB	<1

MW2	
TPHg	<500
TPHd	<500
B	7.6
T	19
E	2.0
X	5.9
MTBE	<1
Napha	1.0
PCE	3.2
TCE	7.3
cis-1,2	<1
VC	23
MC	5.7
EDB	<1
n-Pb	<1
1,3,5-TMB	<1
1,2,4-TMB	2.1
DCDM	1.9
1,4-DCB	5.7

MW3	
TPHg	500
TPHd	<500
B	1.8
T	8.3
E	4.2
X	13.3
MTBE	<1
Napha	1.5
PCE	1.3
TCE	1.7
cis-1,2	65
VC	1.1
MC	4.0
EDB	<1
n-Pb	<1
1,3,5-TMB	1.4
1,2,4-TMB	4.1
DCDM	<1
1,4-DCB	2.1

MW1 (2000) destroyed	
TPHg	<500
TPHd	<500
B	2.9
T	38.4
E	1.1
X	1.2
MTBE	<2
DIPE	<2
ETBE	<2
TAME	<2
TBA	<5
Lead	<5

B1 B2 B3 B4 B5 B6

UST 3

UST 4

Approximate western edge of landfill

Former Hangar Extent

Current Hangar Extents

EXPLANATION

MW1 Groundwater monitoring well location.

MW3	
TPHg	500
TPHd	<500
B	1.8
T	8.3
E	4.2
X	13
MTBE	<1
Napha	1.5
PCE	1.3
TCE	1.7
cis-1,2	35
VC	1.1
MC	4.0
EDB	<1
n-Pb	<1
1,3,5-TMB	1.4
1,2,4-TMB	4.1
DCDM	<1
1,4-DCB	2.1

Groundwater samples analyzed for volatile organic compounds (VOCs) in general accordance with EPA Method 8260B. TPH analyzed in accordance with CA DHS LUFT Method. < indicates the reported concentration was below the laboratory reporting limit for the relevant analytical method. Results reported in micrograms per liter (µg/L). MW1, MW2, and MW3C groundwater samples collected by SCS Engineers (2000) and MW1 [2000] groundwater samples collected by Environmental Business Solutions (2000).

TPHg = total petroleum hydrocarbons as gasoline
TPHd = total petroleum hydrocarbons as diesel
BTEX = benzene, toluene, ethylbenzene, xylenes
MTBE = methyl tertiary butyl ether
DIPE = di-isopropyl ether
ETBE = ethyl tertiary butyl ether
TAME = tertiary amyl methyl ether
TBA = tertiary butyl alcohol
Napha = naphthalene
PCE = tetrachloroethene
TCE = trichloroethene
cis-1,2 = cis-1,2-Dichloroethene
VC = vinyl chloride
MC = methylene chloride
EDB = 1,2-dibromoethane
n-Pb = n-Propylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
1,2,4-TMB = 1,2,4-Trimethylbenzene
DCDM = dichlorodifluoro methane
1,4-DB = 1,4-Dichlorobenzene

E Electric Line
W Water Line
SEW Sewer Line
GAS Gas Line
TELE Telephone Line

Underground storage tank (UST) removed in August 2004.

Groundwater monitoirng well location completed by Environmental Business Solutions (2000). Well completed during assessment activities for former 10,000-gallon UST removed in 1999 and operated by Cinema Air Jet. Well was destroyed following the closure of the UST assessment case.

Soil boring location completed by Environmental Business Solutions (2000). Soil borings completed during assessment activities for former 10,000-gallon UST and operated by Cinema Air Jet and removed in 1999.

10,000-gallon UST removal and excavation by Jauregui and Culver (1999).

UST 3 and 4 removal and excavation by Advanced GeoEnvironmental (2004).

APPROXIMATE SCALE IN FEET

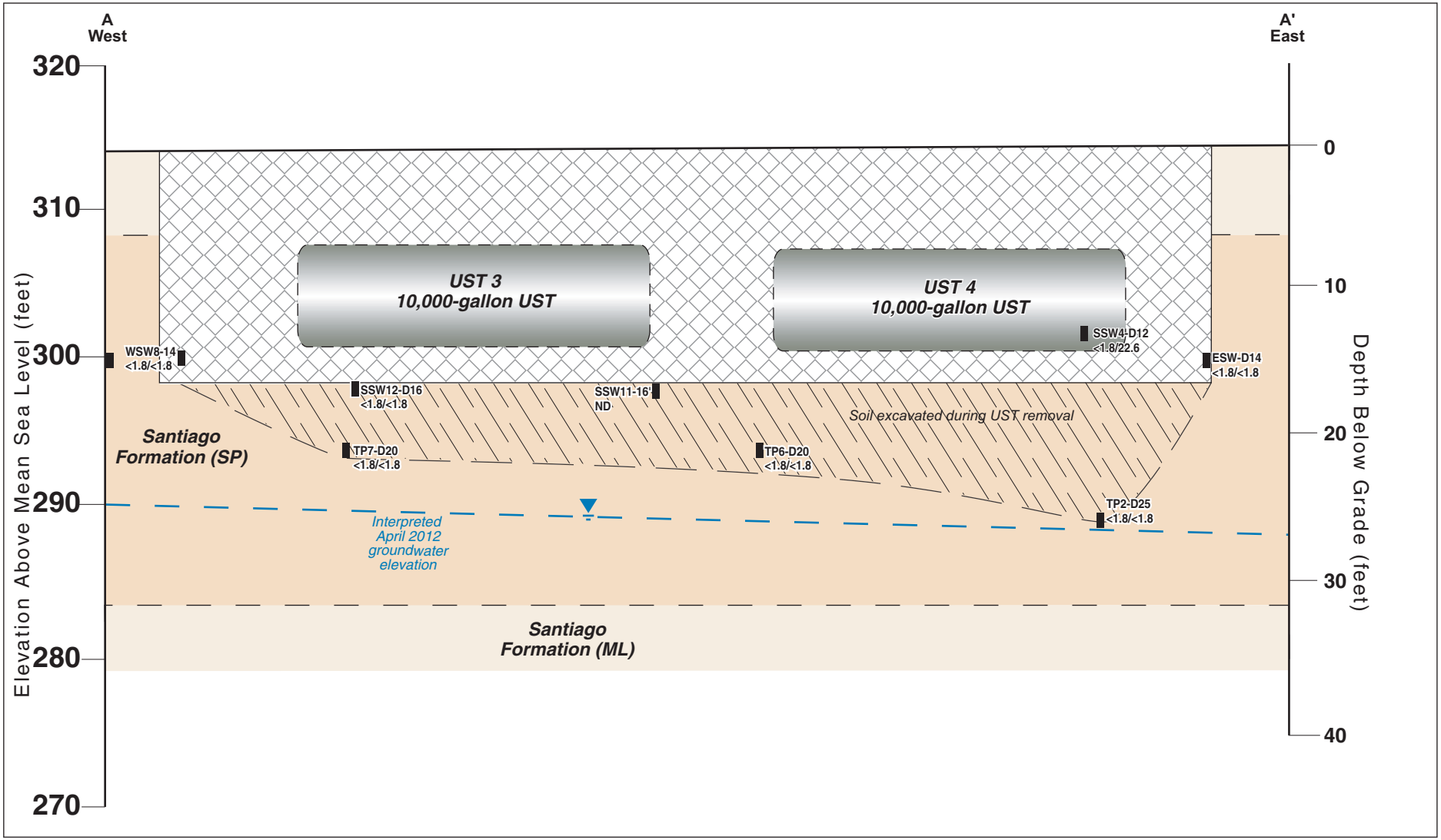
10 0 10

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CALIFORNIA 92123

GROUNDWATER SAMPLE ANALYTICAL RESULTS - MARCH 2007

Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, California

Project N 0120652
Figur
Date Draf 5/1/12



EX PLANATION

Sample location collected from soil boring.

Approximate groundwater elevation.

<10/<10 Soil sample depth in feet below grade, total petroleum hydrocarbon concentration as gasoline (TPHg), and as diesel (TPHd) in milligrams per kilogram (mg/kg). MW2 and MW3 soil samples collected by SCS in March 2007 and UST removal soil samples collected by Advanced GeoEnvironmental in July 2004.

0 5 10 15

Approximate Graphic Scale in Feet

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

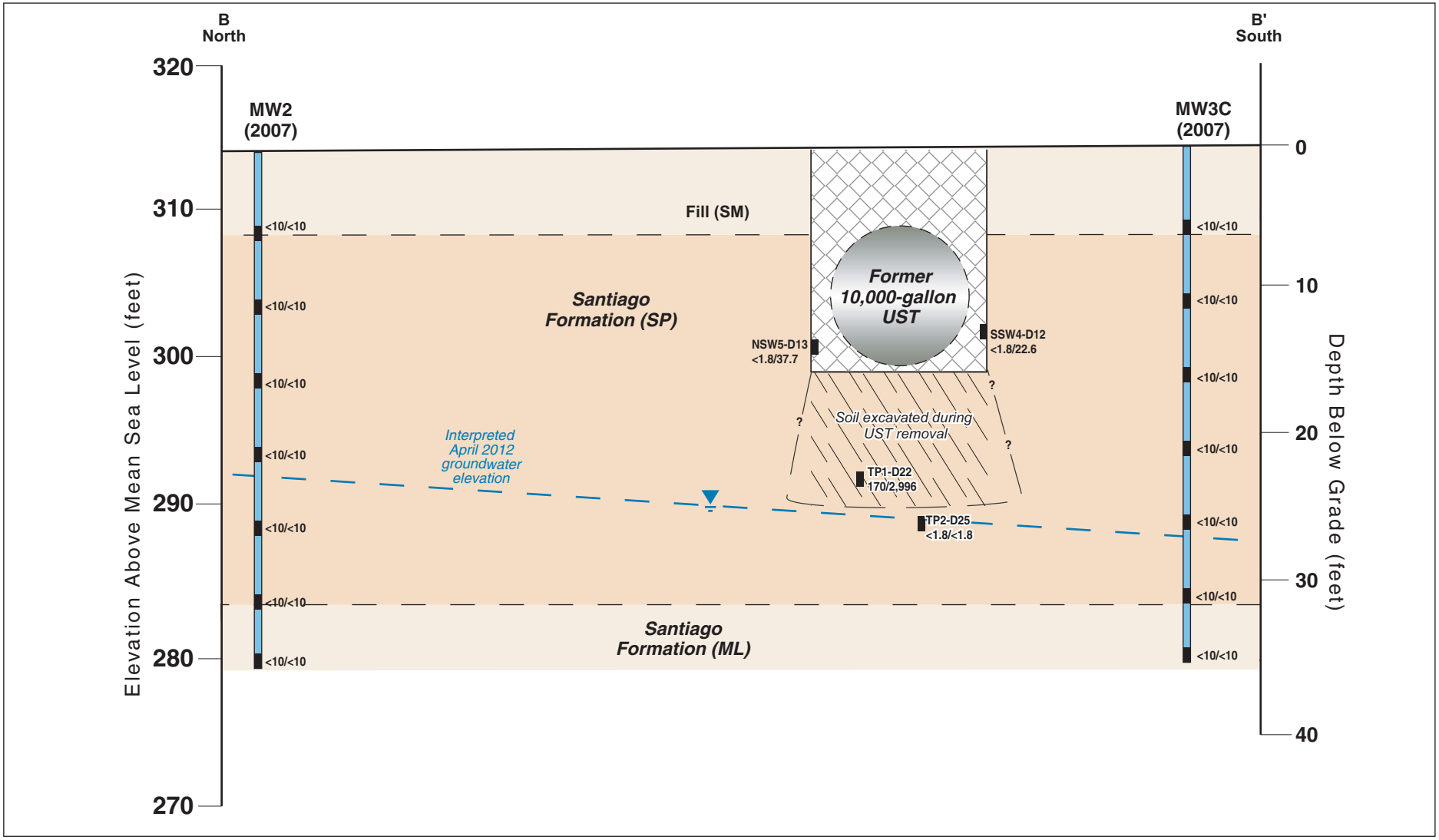
CROSS SECTION A-A' SHOWING GENERALIZED GEOLOGY

Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, California

Project No.: 01206522.00

Figure 10

Date Drafted: 5/1/12



EX PLANATION

Sample location collected from soil boring.

Approximate groundwater elevation.

<10/<10 Soil sample depth in feet below grade, total petroleum hydrocarbon concentration as gasoline (TPHg), and as diesel (TPHd) in milligrams per kilogram (mg/kg). MW2 and MW3 soil samples collected by SCS in March 2007 and UST removal soil samples collected by Advanced GeoEnvironmental in July 2004

0 5 10 15

Approximate Graphic Scale in Feet

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

CROSS SECTION B-B' SHOWING GENERALIZED GEOLOGY
Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, California

Project No.: 01207522.00

Figure 11

Date Drafted: 5/1/12

California Regional Water Quality Control Board, San Diego Region

February 11, 2013

In reply refer to / attn:
T06019780052: smcclain

Mr. Jay Brentzel
Jet Source, Inc.
2056 Palomar Airport Road
Carlsbad, CA 92011

Subject: **No Further Action for Jet Source Inc., 2056 Palomar Airport Road, Carlsbad, California**

Dear Mr. Brentzel:

The enclosed Uniform Closure Letter[1] confirms the completion of a site investigation and corrective action for the underground storage tanks formerly located at the above-described location. However, be advised that any land use changes may require reevaluation to determine if the change will pose an unacceptable risk to human health. Any contaminated soil or groundwater encountered at the site must be managed in accordance with the legal requirements at that time.

All monitoring wells must be destroyed and any remaining conditions, such as waste piles or drums, properly addressed within 60 days from the date of this letter. For more information contact the County of San Diego, Department of Environmental Health (DEH), Monitoring Well Permit Desk at:

http://www.sdcounty.ca.gov/deh/water/sam_monitoring_well_page.html

In the subject line of any response, please include the reference number: **T06019780052:smcclain**. For questions or comments, please contact Mr. Sean McClain by phone at 858-627-3988, or by email smcclain@waterboards.ca.gov.

Respectfully,

DAVID W. GIBSON
Executive Officer

Enclosure: Uniform Closure Letter

[1] The content of the Uniform Closure Letter is prescribed by section 25296.10(g) of the California Health and Safety Code.

CLC/SM

cc (sent via e-mail):

Mr. Ian Hodgson, San Diego County Airports, Real Property Agent, ian.hodgson@sdcounty.ca.gov

Ms. Michele Stress, County of San Diego, DPW, michele.stress@sdcounty.ca.gov

Mr. Jason Forga, County of San Diego, Department of Public Works, Jason.forga@adcounty.ca.gov

Mr. Willie Vasquez, Airport Manager, McClellan Palomar Airport, Willie.Vasquez@sdcounty.ca.gov

Mr. Dan Johnson, SCS Engineers, DJohnson@scsengineers.com

Mr. Tom Wright, SCS Engineers, TWright@scsengineers.com

Tech Staff Info & Use	
GeoTracker Party ID	T06019780052

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

CALIFORNIA HEALTH AND SAFETY CODE SECTION 25296.10(g)
UNIFORM CLOSURE LETTER

Issued Date:	**February 8, 2013**
Facility Name:	**Jet Source Inc.**
Address:	**2056 Palomar Airport Road**
	Carlsbad, California
Contact Name:	**Mr. Jay Brentzel**
Case Number:	**T06019780052**

Dear Mr. Brentzel:

This letter confirms the completion of a site investigation and corrective action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of section 25296.10 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

DAVID W. GIBSON
Executive Officer

DWG:clc:sm

2160 Palomar Airport Road

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

December 1, 2000

Mr. Ken Burrows
Burrows Southcoast, Inc
2192 Palomar Airport Rd. 2nd Floor
Carlsbad, CA 92008-4814

Dear Mr. Burrows:

UNAUTHORIZED RELEASE #H13982-001 PALOMAR AIRPORT
2148 PALOMAR AIRPORT ROAD. CARLSBAD, CA 92008

This letter confirms the completion of a site investigation and corrective action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks is greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code. Please contact Danny Martinez (619) 338-2456 if you have questions regarding this matter.

Sincerely,

GEORGE MCCANDLESS, Program Manager
Supervising Environmental Health Specialist
Site Assessment and Mitigation Program

GM:DM:kf

Enclosure

cc: Regional Water Quality Control Board
Allan Patton, SWRCB, UST Cleanup Fund Program
Anderson Donan, Donan Environmental Services

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

H13982-001 DATE: 11/16/00

Agency Name: County of San Diego, Environmental Health, SAM	Address: P.O. Box 129261
City/State/ZIP: San Diego, CA 92112-9261	Phone: (619) 338-2222 FAX: (619) 338-2377
Responsible Staff Person: Danny Martinez	Title: Environmental Health Specialist

II. CASE INFORMATION

Site Facility Name: Palomar Airport

Site Facility Address: 2148 Palomar Airport Road, Carlsbad, CA 92009

RB LUSTIS Case No: N/A	Local Case No: H13982-001	LOP Case No: N/A
URF Filing Date: 9/26/91	SWEEPS No: N/A	
Responsible Parties:	Address:	Phone Number:
Ken Burrows Burrows Southcoast, Inc	2192 Palomar Airport Rd Carlsbad, CA 92008	(760) 438-0494
San Diego County Department of Public Works Airport Division	1960 Joe Crosson Drive El Cajon, CA 92020	

Tank No.	Size in Gal.	Contents	Closed in Place/Removed	Date
1	10000 gallons	Jet Fuel	Closed by removal	7/8/91
2	10000 gallons	Aviation Fuel	Closed by removal	7/8/91
3	10000 gallons	Aviation Fuel	Closed by removal	7/8/91

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Petroleum hydrocarbons from leaky underground storage tank system

Site Characterization complete? Yes	Date Approved By Oversight Agency: 10/17/00		
Monitoring Wells Installed? No	Number: N/A	Proper Screened Interval? N/A	
Highest GW Depth Below Ground Surface: unknown	Lowest Depth: unknown	Flow Direction: unknown	

Most Sensitive Current Use:
Groundwater having no designated beneficial uses
Surface water having designated beneficial uses for municipal, agricultural, commercial, contact and non-contact water recreation

Are Drinking Water Wells Affected? No	Aquifer Name: Encinas Subarea/Carlsbad Hydrologic Unit (904.40)
Is Surface Water Affected? No	Nearest SW name: Canyon De Las Encinas Creek ~ 2000 feet to the SE

Off-Site Beneficial Use Impacts (addresses/locations): None

Report(s) on file? Yes	Where is Report(s) Filed? County of San Diego, Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank(s)	3 steel tanks	Disposal to Grape Sales, Lakeside, CA	7/8/91
Rinsate	320 gallons	Disposal to Demmeno Kerdoon	7/8/91

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued) H 13982-001

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS - - BEFORE AND AFTER CLEANUP

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	13000	13000	N/A	N/A	Benzene	210	210	N/A	N/A
TPH (Diesel)	130	130	N/A	N/A	Toluene	390	390	N/A	N/A
TPH (JP4)	21	21	N/A	N/A	Xylene	330	330	N/A	N/A
MTBE	0.42	0.42	N/A	N/A	Ethylbenzene	72	72	N/A	N/A

Comments:

The site assessment investigation revealed that contaminated soil is restricted to depths between 15 and 25 feet. The consultant has estimated that approximately 2000 cubic yard of contaminated soil with total petroleum hydrocarbon concentrations exceeding 100 mg/kg remains onsite. The contaminated soil remaining is located beneath the runway/aircraft parking and covered over with reinforced pavement. Groundwater was not encountered during drilling to depths of 50 feet below ground surface.
From the information provided to this Department, the residual contamination presents no threat to water quality or human health.

N/A= Not analyzed

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes

Does corrective action protect public health for current land use? Yes
Case oversight completed based upon the current site use as airport runway ramp/ airplane parking area.

Site Management Requirements:

Any contaminated soil excavated as part of subsurface construction work must be managed in accordance with the legal requirements at that time.

Should corrective action be reviewed if land use changes? Yes

Monitoring Wells Decommissioned: N/A	Number Decommissioned: N/A	Number Retained: N/A

List Enforcement Actions Taken: Notice of Corrective Action and Reimbursement Responsibility

List Enforcement Actions Rescinded: None

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Kevin Heaton	Title: Senior Hydrogeologist Land and Water Quality Division
Signature: K M. H	Date: 11/30/2000

VI. RWQCB NOTIFICATION

Date Submitted to RB: N/A soils only case	RB Response: N/A	
RWQCB Staff Name: N/A	Title: N/A	Date: N/A

VII. ADDITIONAL COMMENTS, DATA, ETC.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

GRANVILLE M. BOWMAN
DIRECTOR
(619) 694-2212
(LOCATION CODE 750)

County of San Diego

DEPARTMENT OF PUBLIC WORKS

5555 OVERLAND AVE. SAN DIEGO, CALIFORNIA 92123-1295

COUNTY ENGINEER
COUNTY AIRPORTS
COUNTY ROAD COMMISSIONER
TRANSPORTATION OPERATIONS
COUNTY SURVEYOR
FLOOD CONTROL
LIQUID WASTE
SOLID WASTE

December 20, 1991

TO: Vicky Gallagher, Chief
Hazardous Materials Management Division (D561DB)

FROM: Roger F. Walsh, Chief Deputy Director
Department of Public Works (S119)

SUBJECT: McClellan-Palomar Airport - Burrows Southcoast, Inc.
Fuel Tank Removal & Closure - County Contract No. 71364R

Reference is made to the above lease which called for removal and closure of two fuel tanks on the County-owned Transient Ramp area by August 1, 1991.

Burrows Southcoast, Inc. (the lessee) removed the subject fuel tanks on July 8, 1991 and is in the reinspection and closure phase of its operation. We previously sent your office a memo on July 31, 1991 regarding the proximity of the excavated area to the taxiway used by American Eagle Commuter Airline and the possible liability the County could incur in the event of any mishap relating to the existence of the same. As Burrows Southcoast is now in default with regard to the fuel tank removal and closure requirement of its lease, we are again asking your assistance in seeing that any functions your Division may perform with regard to this project are fully expedited.

If you have any questions, please call Mr. Jaime Fontes at (619) 596-3908.

Thank you for your cooperation in this matter.

RFW:JAM:JMF:ny

cc: Airport Manager (N137)

1/16 - D.F. TO RESPOND W/ LETTER.

MEETING/PHONE/PEER REVIEW

RECORD

H	13982-001
DATE:	10/22/91
TIME:	:
PAGE	___ OF ___
SPEC:	

(Check One)

☐ Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

☑ Telephone Conversation — Phone: (____) ____ - ____ Name: KEN BURROWS

☐ Peer Review — Name: _____

TOPIC: _____

SUMMARY: — FAXED HIM A COPY OF SITE ASSESS. ✓ UST.

— HE SAID THEY'RE PLANNING TO DO BORINGS MID-NOV.

— I TOLD HIM HE'S STILL GOING TO NEED TO SEND 10/27 UPDATE.

— ASKED FOR COPY OF WORK PLAN TO BE INCLUDED W/ UPDATE.

MEETING/PHONE/PEER REVIEW

RECORD

H	13982-001
DATE:	10/21/91
TIME:	12:45
PAGE	1 OF 1
SPEC:	ECS

(Check One)

☐ Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

☒ Telephone Conversation — Phone: (___) 438-0494
Name: FRANCIS FULLER

☐ Peer Review — Name: _____

TOPIC: _____

SUMMARY: — WHAT'S UP? → RP. HAS YET TO SIGN A CONTRACT — NO WORK DONE YET.

10/21 = ~~KEN BURROWS~~ #438-0494
— LEFT MSG.

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

OFFICIAL NOTICE

September 27, 1991

Burrows & Sons, Inc.
Ken Burrows
Department 448
P.O. Box 9000
Carlsbad, CA 92018

Dear Mr. Burrows:

RE: UNAUTHORIZED RELEASE #T2100/H13982-001
PALOMAR AIRPORT, 2148 PALOMAR AIRPORT RD., CARLSBAD, CA 92008

The initial Unauthorized Release Report submitted by yourself received September 26, 1991, for the site referenced above conforms to the initial written reporting requirements, as prescribed in the California Health and Safety Code, Chapter 6.7 and the California Code of Regulations, Title 23. For the duration of the site mitigation process, you are required to provide periodic, brief, written update reports to this office and the Regional Water Quality Control Board (RWQCB). These reports must be submitted every 60 days and should include a brief summary of the completed and projected site assessment and mitigation activities. The update report is due by October 27, 1991.

The extent of contamination must be determined as soon as possible and a comprehensive site assessment report submitted to this office and the RWQCB within 120 days. The comprehensive report must address the items on the enclosed "Site Assessment Report Check List" and is due by December 27, 1991.

If during the site mitigation process any significant situation is encountered that was not known nor anticipated, please immediately notify me and provide a written statement describing the situation to amend the Unauthorized Release Report. As a reminder, a copy of each manifest for hauling any hazardous waste generated as a result of the site assessment and mitigation procedure must be included with the written supplemental reports.

If you have any questions on this matter please contact me at (619) 338-2396

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Hazardous Materials Management Division

LS:eas

Enclosure

cc: RWQCB

WP/T2100

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

OFFICIAL NOTICE

October 21, 1991

Burrows & Sons, Inc.
Ken Burrows
Department 448
P.O. Box 9000
Carlsbad, CA 92018

Dear Mr. Burrows:

RE: UNAUTHORIZED RELEASE #T2100/H13982-001
PALOMAR AIRPORT, 2148 PALOMAR AIRPORT RD., CARLSBAD, CA 92008

The initial Unauthorized Release Report submitted by yourself received September 26, 1991, for the site referenced above conforms to the initial written reporting requirements, as prescribed in the California Health and Safety Code, Chapter 6.7 and the California Code of Regulations, Title 23. For the duration of the site mitigation process, you are required to provide periodic, brief, written update reports to this office and the Regional Water Quality Control Board (RWQCB). These reports must be submitted every 60 days and should include a brief summary of the completed and projected site assessment and mitigation activities. The update report is due by October 27, 1991.

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If you have any questions on this matter please contact me at (619) 338-2396

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Hazardous Materials Management Division

LS:eas

Enclosure

cc: RWQCB
Alladin Aviation-Mike Gorski

WP/T2100

Title

"PAST_DU 8"

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

September 13, 1991

OFFICIAL NOTICE

Mike Gorski
Alladin Aviation
2160 Palomar Airport Road
Carlsbad, CA 92008

Dear Mr. Gorski:

RE: UNAUTHORIZED RELEASE #T2100/H13982-001
PALOMAR AIRPORT, 2148 PALOMAR AIRPORT ROAD,
CARLSBAD, CA 92008

Your written "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report" for the site referenced above is **PAST DUE**. You are required to submit this report in accordance with the provisions of the California Administrative Code, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652. The report was due September 5, 1991.

Please submit your written report to this department within five work days of receipt of this notice.

If you have any questions on this matter, please contact me at (619) 338-2396.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Hazardous Materials Management Division

LS:cmc

cc: James Munch, RWQCB

WP\T2100

"PAST-DUE"

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

September 13, 1991

OFFICIAL NOTICE

Ken Burrows
Burrows and Sons, Inc.
Department 448
P.O. Box 9000
Carlsbad, CA 92018

RP. NEVER RECEIVED ??
"RETURNED TO SENDER"
NOTE NEW ADDRESS ...

Dear Mr. Burrows:

RE: UNAUTHORIZED RELEASE #T2100/H13982-001
PALOMAR AIRPORT, 2148 PALOMAR AIRPORT ROAD, CARLSBAD, CA 92008

Your written "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report" for the site referenced above is **PAST DUE**. You are required to submit this report in accordance with the provisions of the California Administrative Code, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652. The report was due September 5, 1991.

Please submit your written report to this department within five work days of receipt of this notice.

If you have any questions on this matter, please contact me at (619) 338-2396.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Hazardous Materials Management Division

LS:cmc

cc: James Munch, RWQCB

WP\T2100.1

SAN DIEGO REGIONAL BOARD BASIN INFORMATION

Regional Board Staff: JM / LC

HMMD Staff : Lars Skinner

H number: 13982-001

Date: 9/10/91

T number: 2100

Site Address: 2148 Palomar Airport Rd.
Carlsbad 92008

Beneficial Use: Yes: ____ No: ✓ Basin No.: 4.40

Beneficial Uses

Municipal :____

Agricultural:____

Industrial :____

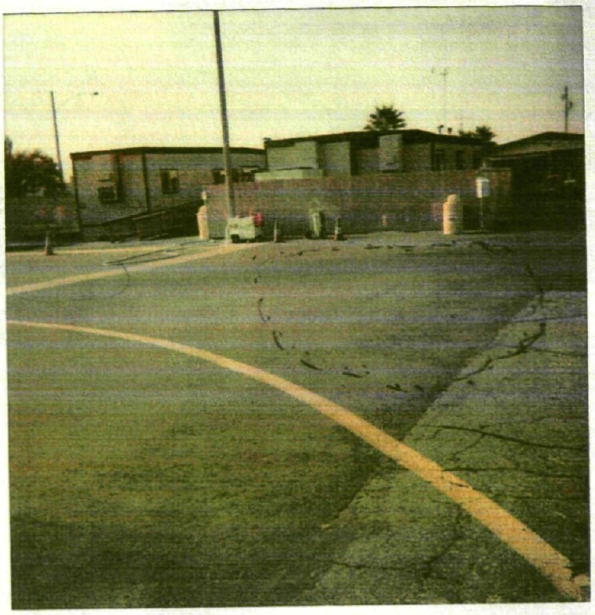
Industrial
Process Sply:____

Groundwater
Recharge :____



H13982-001

N



H13982-001
Former Tank pit

N



H13982-001

N

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

M E M O R A N D U M

DATE: August 28, 1991

TO: Darryl

" PALOMAR "

FROM: Lars

RE: Palomar site status

Here is a brief update of what's happening at this site, so you and Ken can prepare a response for Vicky to send Clarence K...

* Two RP's have been identified: Ken Burrows & Mike Gorski
* The tanks were pulled July 8th.
  After review of lab results, the site was put into site assessment on August 12th. After a conversation with yourself and Mark Mcpherson, I spoke with Mr. Kaufman on the 14th about his letter to Vicky G. (dated July 31st). I received the referral and package from Mark on the 19th, on which date I reviewed the lab data, computer file, etc., and gave the notice of reimbursement package to Helen for processing. The final copy of the notice to the two RP's was given to you for review on August 23rd, and was sent out from HMMD on the 27th.
* The current status is that we're waiting for the RP(s) to respond with the "5-day" report. I will call them if we do not have it in hand by September 5th. I compared the letter we discussed this morning to the earlier one Kaufman wrote in July and realized that they are one and the same. So I don't know why or from whom the second copy appeared on your desk last week..I think it would still be a good idea to have Vicky write back, to reiterate that 1) Kaufman should be dealing with the specialist assigned the case and not writing our division chief, and 2) that they have the option of backfilling the excavation at any time, with the understanding that they may be required in the course of the site assessment to re-excavate in order to proceed with the investigation.

GRANVILLE M. BOWMAN
DIRECTOR
(619) 694-2212
(LOCATION CODE 750)

County of San Diego

DEPARTMENT OF PUBLIC WORKS

5555 OVERLAND AVE. SAN DIEGO, CALIFORNIA 92123-1295

COUNTY ENGINEER
COUNTY AIRPORTS
COUNTY ROAD COMMISSIONER
TRANSPORTATION OPERATIONS
COUNTY SURVEYOR
FLOOD CONTROL
LIQUID WASTE
SOLID WASTE

July 31, 1991

TO: Vicky Gallagher, Chief
Hazardous Materials Management Division (D561DB)

FROM: Clarence E. Kaufman, Assistant Deputy Director CEK
Department of Public Works (S119)

Subject: McClellan-Palomar Airport - Burrows Southcoast, Inc.
Fuel Tank Removal & Closure - County Contract No. 71364R

Reference is made to the above lease which calls for removal and closure of two fuel tanks on the County-owned Transient Ramp area by August 1, 1991.

Burrows Southcoast, Inc. (the lessee) removed the subject fuel tanks on July 8, 1991 and is in the inspection and closure phase of his operation. The excavated area is in close proximity to the taxiway used by the American Eagle Commuter Airline. Their enplanement area for passengers is about 100 feet west of the County Administration Building at McClellan-Palomar Airport. We have arranged for the lessee to fence in the excavated area while the soil samples are tested for the second time. In order to minimize any possible liability the County may incur in the event of any mishap, we are asking your assistance in seeing that any functions your Division may perform with regard to this project are expedited.

If you have any questions, please call Mr. Jaime Fontes at (619) 596-3908.

Thank you for your cooperation in this matter.

CEK:JMF:ny

cc: Airport Manager (N137)

Printed on Recycled Paper

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

NOTICE OF REIMBURSEMENT AND REPORTING REQUIREMENTS

August 20, 1991

Mike Gorski
Alladin Aviation
2160 Palomar Airport Road
Carlsbad, CA 92008

Dear Mr. Gorski:

RE: UNAUTHORIZED RELEASE #T2100/H13982-001
PALOMAR AIRPORT ROAD, CARLSBAD, CA 92008

Information provided to this Department indicates that the underground hazardous substance storage facility at the location referenced above has had an Unauthorized Release (leak), and identifies you as the party, or one of the parties, responsible for investigation and cleanup of the Unauthorized Release.

As described in the paragraph below, federal and state law require the responsible party(ies) to reimburse the State Water Resources Control Board for local and state agency costs associated with oversight of the investigation and cleanup of the Unauthorized Release. Please take note of the following:

> Whereas the Federal Petroleum Leaking Underground Storage Tank Trust Fund provides funding to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the Legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the direct and indirect costs of overseeing removal or remedial action at the above site are funded, in whole or in part, from the Federal Trust Fund; and Whereas the above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site; YOU ARE HEREBY NOTIFIED that pursuant to Title 42 of the United States Code, Section 6991b(h)(6) and Sections 25297.1 and 25360 of the Health and Safety Code, the above Responsible Party or Parties shall reimburse the State Water Resources Control Board not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above underground storage tank site, and the above Responsible Party or Parties shall make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.

Mr. Mike Gorski August 20, 1991

The following individual(s) and/or entity(ies) are being notified as responsible parties for the Unauthorized Release at the above referenced site:

Mike Gorski
Alladin Aviation
2160 Palomar Airport Road
Carlsbad, CA 92008

Ken Burrows
Burrows and Sons, Inc.
Department 448, P.O. Box 900
Carlsbad, CA 92018

In accordance with the California Health and Safety Code, Chapter 6.5 and 6.7, and the California Code of Regulations, Title 22 and 23, the tank owner/operator must report and correct the conditions created by the Unauthorized Release. It is the tank owner's/operator's responsibility to:

1. Take immediate action to prevent further unauthorized release.
2. Determine the extent and impact of the unauthorized release.
3. Submit a written Unauthorized Release Report within five workdays of receiving this Official Notice. This requirement is satisfied by submitting the enclosed State Water Resources Control Board form entitled "UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/CONTAMINATION SITE REPORT". The completed form, with attached comments if necessary, must address the Unauthorized Release Report items described on the final page of this Notice. Submit the completed form to this office for distribution.
4. Submit supplemental reports as required to update the initial report.
5. Complete any site mitigation (cleanup) required.
6. Reimburse the State Water Resources Control Board for local and state agency costs associated with oversight of the investigation and cleanup.

The Unauthorized Release Report must address all six items listed on the final page of this Notice, to the extent of the best information known at this time. Additional information and responsibilities are also listed. Subsequent site characterization and mitigation actions will be determined upon evaluation of the written report and consultation with the Regional Water Quality Control Board and other appropriate regulatory agencies.

If you have any questions concerning this Notice, please contact the undersigned at (619) 338-2396, or the Division of Clean Water Programs, State Water Resources Control Board, P.O. Box 944212, Sacramento, CA 94224-2120.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Hazardous Materials Management Division

LS:cmc

Enclosure

cc: Donna Shimeck, State Water Resources Control Board
James Munch, San Diego Regional Water Quality Control Board

WP\T2100.2

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

NOTICE OF REIMBURSEMENT AND REPORTING REQUIREMENTS

August 20, 1991

Ken Burrows
Burrows and Sons, Inc.
Department 448, P.O. Box 900
Carlsbad, CA 92018

Dear Mr. Burrows:

RE: UNAUTHORIZED RELEASE #T2100/H13982-001
PALOMAR AIRPORT ROAD, CARLSBAD, CA 92008

Information provided to this Department indicates that the underground hazardous substance storage facility at the location referenced above has had an Unauthorized Release (leak), and identifies you as the party, or one of the parties, responsible for investigation and cleanup of the Unauthorized Release.

As described in the paragraph below, federal and state law require the responsible party(ies) to reimburse the State Water Resources Control Board for local and state agency costs associated with oversight of the investigation and cleanup of the Unauthorized Release. Please take note of the following:

> Whereas the Federal Petroleum Leaking Underground Storage Tank Trust Fund provides funding to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the Legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the direct and indirect costs of overseeing removal or remedial action at the above site are funded, in whole or in part, from the Federal Trust Fund; and Whereas the above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site; YOU ARE HEREBY NOTIFIED that pursuant to Title 42 of the United States Code, Section 6991b(h)(6) and Sections 25297.1 and 25360 of the Health and Safety Code, the above Responsible Party or Parties shall reimburse the State Water Resources Control Board not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above underground storage tank site, and the above Responsible Party or Parties shall make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.

Mr. Ken Burrows August 20, 1991

The following individual(s) and/or entity(ies) are being notified as responsible parties for the Unauthorized Release at the above referenced site:

Ken Burrows
Burrows and Sons, Inc.
Department 448, P.O. Box 900
Carlsbad, CA 92018

Mike Gorski
Alladin Aviation
2160 Palomar Airport Road
Carlsbad, CA 92008

In accordance with the California Health and Safety Code, Chapter 6.5 and 6.7, and the California Code of Regulations, Title 22 and 23, the tank owner/operator must report and correct the conditions created by the Unauthorized Release. It is the tank owner's/operator's responsibility to:

1. Take immediate action to prevent further unauthorized release.
2. Determine the extent and impact of the unauthorized release.
3. Submit a written Unauthorized Release Report within five workdays of receiving this Official Notice. This requirement is satisfied by submitting the enclosed State Water Resources Control Board form entitled "UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/CONTAMINATION SITE REPORT". The completed form, with attached comments if necessary, must address the Unauthorized Release Report items described on the final page of this Notice. Submit the completed form to this office for distribution.
4. Submit supplemental reports as required to update the initial report.
5. Complete any site mitigation (cleanup) required.
6. Reimburse the State Water Resources Control Board for local and state agency costs associated with oversight of the investigation and cleanup.

The Unauthorized Release Report must address all six items listed on the final page of this Notice, to the extent of the best information known at this time. Additional information and responsibilities are also listed. Subsequent site characterization and mitigation actions will be determined upon evaluation of the written report and consultation with the Regional Water Quality Control Board and other appropriate regulatory agencies.

If you have any questions concerning this Notice, please contact the undersigned at (619) 338-2396, or the Division of Clean Water Programs, State Water Resources Control Board, P.O. Box 944212, Sacramento, CA 94224-2120.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Hazardous Materials Management Division

LS:cmc

Enclosure

cc: Donna Shimeck, State Water Resources Control Board
James Munch, San Diego Regional Water Quality Control Board

WP\T2100.1

MEETING/PHONE/PEER REVIEW

RECORD

H	13982-001 ?
DATE:	8/14/91
TIME:	13:15
PAGE	1 OF 1
SPEC:	ELS

(Check One)

[] **Meeting Minutes** — **Meeting Location:** _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 596-3908
Name: CLARENCE KAUFMAN
(ALSO JAIME FONTES ?)

[] Peer Review — Name: _____

TOPIC: PALOMAR AIRPORT EXCAVATION

SUMMARY: → TOLD HIM I'M STILL WAITING TO RECEIVE LAB RESULTS, FILE... ASSURED HIM I WILL GET ON THE CASE ASAP' ...

From: RICHARD GILB (RGILBB)
To: LSKINN
Date: Monday, August 12, 1991 2:29 pm
Subject: PALOMAR AIRPORT

AT2322/H13982 PALOMAR AIRPORT

BURROWS SOUTHCOAST (LESSEE) - ALLADIN AVIATION (company name).

THIS IS NOT A COUNTY SITE. THE COUNTY OPERATES THE AIRPORT. MARK MCPHERSON PULLED THE TANKS ON 7/9/91. I THINK HE WAS WORKING ON THE PAPER WORK TO REFER THE CASE TO SA/M ON FRIDAY (ACCORDING TO MARY PETERS). ANYWAY, FROM THE LOOKS OF MARKS INSPECTION REPORT FROM THE TANK PULL - THEY WILL BE IN SITE ASSESSMENT.

LARS, I'LL LEAVE IT TO YOU TO CONTACT THESE COUNTY FOLKS. i.e. CLARENCE KAUFMAN (THE JULY 31 LETTER TO V. GALLAGHER). THE LETTER IS IN YOUR IN BOX. CHEERIOOOOOOOO. GOD SAVE THE COUNTY.

CC: DFOWLE

GRANVILLE M. BOWMAN
DIRECTOR
(619) 694-2212
(LOCATION CODE 750)

County of San Diego

DEPARTMENT OF PUBLIC WORKS

5555 OVERLAND AVE, SAN DIEGO, CALIFORNIA 92123-1295

COUNTY ENGINEER
COUNTY AIRPORTS
COUNTY ROAD COMMISSIONER
TRANSPORTATION OPERATIONS
COUNTY SURVEYOR
FLOOD CONTROL
LIQUID WASTE
SOLID WASTE

July 31, 1991

TO: Vicky Gallagher, Chief
Hazardous Materials Management Division (D561DB)

FROM: Clarence E. Kaufman, Assistant Deputy Director CEK
Department of Public Works (S119)

Subject: McClellan-Palomar Airport - Burrows Southcoast, Inc.
Fuel Tank Removal & Closure - County Contract No. 71364R

Reference is made to the above lease which calls for removal and closure of two fuel tanks on the County-owned Transient Ramp area by August 1, 1991.

Burrows Southcoast, Inc. (the lessee) removed the subject fuel tanks on July 8, 1991 and is in the inspection and closure phase of his operation. The excavated area is in close proximity to the taxiway used by the American Eagle Commuter Airline. Their enplanement area for passengers is about 100 feet west of the County Administration Building at McClellan-Palomar Airport. We have arranged for the lessee to fence in the excavated area while the soil samples are tested for the second time. In order to minimize any possible liability the County may incur in the event of any mishap, we are asking your assistance in seeing that any functions your Division may perform with regard to this project are expedited.

If you have any questions, please call Mr. Jaime Fontes at (619) 596-3908.

Thank you for your cooperation in this matter.

CEK:JMF:ny

cc: Airport Manager (N137)

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR
(619) 236-7633

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

DATE:

MEMORANDUM FOR: California Regional Water Quality Control Board, San Diego Region

FROM: Hazardous Materials Management Division (HMMD)

SUBJECT: **UNAUTHORIZED RELEASE OF HAZARDOUS MATERIAL FROM AN UNDERGROUND STORAGE TANK T#** 2100 / H13982-001

Evidence of an unauthorized release of a hazardous material has been noted by HMMD staff at the site described below:

Site Address: 2148 Palomar Airport Rd (Street) | Carlsbad (City) | 92008 (Zip Code)

Property Owner: Burrows & Sons Inc (Name)

Dept 448 P.O. BOX 900 (Street) | Carlsbad (City) | 92018 (Zip Code)

Telephone 438-0494

Tank Operator: Alladin Aviation / Mike Gerski (Name) | 438-1817 (Telephone)

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s) Leaky Tanks, overfill/spill

Amount Released Unknown (Gallons) — (Time Period)

Release Detected By:

___ Routine Tank Testing
___ Test of Piping
___ Inventory Audit
___ Monitoring Device/Well
X Evidence of Soil Contamination Detected During Tank Removal
___ Evidence of Leaky Tank Detected During Tank Removal
___ Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). 3 steel 10,000 gal tanks ~17 years old. Two held aviation fuel and the other Jet fuel. The Jet fuel tank and one of the Aviation fuel tank had holes up to 1" d.

Date Release Reported to or Detected by HMMD 7-31-91

Contact With Other Agencies None

Additional Comments:

Please call the HMMD at 338-2222 if you have questions or comments regarding the above.

HMMD Staff LARS SKINNER

DHS:HM-9010 (10/89)

APPENDIX E

HISTORICAL RESEARCH DOCUMENTATION

Aerial Photographs

McClellan-Palomar Airport
2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008

Inquiry Number: 4724566.12

September 16, 2016

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

09/16/16

Site Name:

McClellan-Palomar Airport
2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008
EDR Inquiry # 4724566.12

Client Name:

Ninyo & Moore
5710 Ruffin Rd
San Diego, CA 92123
Contact: Brianne Cortright

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
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1990	1"=1000'	Flight Date: January 01, 1990	USGS
1985	1"=1000'	Flight Date: January 01, 1985	USGS
1979	1"=1000'	Flight Date: January 01, 1979	USGS
1970	1"=1000'	Flight Date: January 01, 1970	USGS
1967	1"=1000'	Flight Date: January 01, 1967	USGS
1964	1"=1000'	Flight Date: January 01, 1964	USGS
1953	1"=1000'	Flight Date: January 01, 1953	USGS
1946	1"=1000'	Flight Date: January 01, 1946	USGS
1939	1"=1000'	Flight Date: January 01, 1939	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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INQUIRY #: 4724566.12

YEAR: 2012

= 500'

N

EDR



INQUIRY #: 4724566.12

YEAR: 2012

= 500'

N

EDR



INQUIRY #: 4724566.12

YEAR: 2010

= 500'

N

EDR



INQUIRY #: 4724566.12

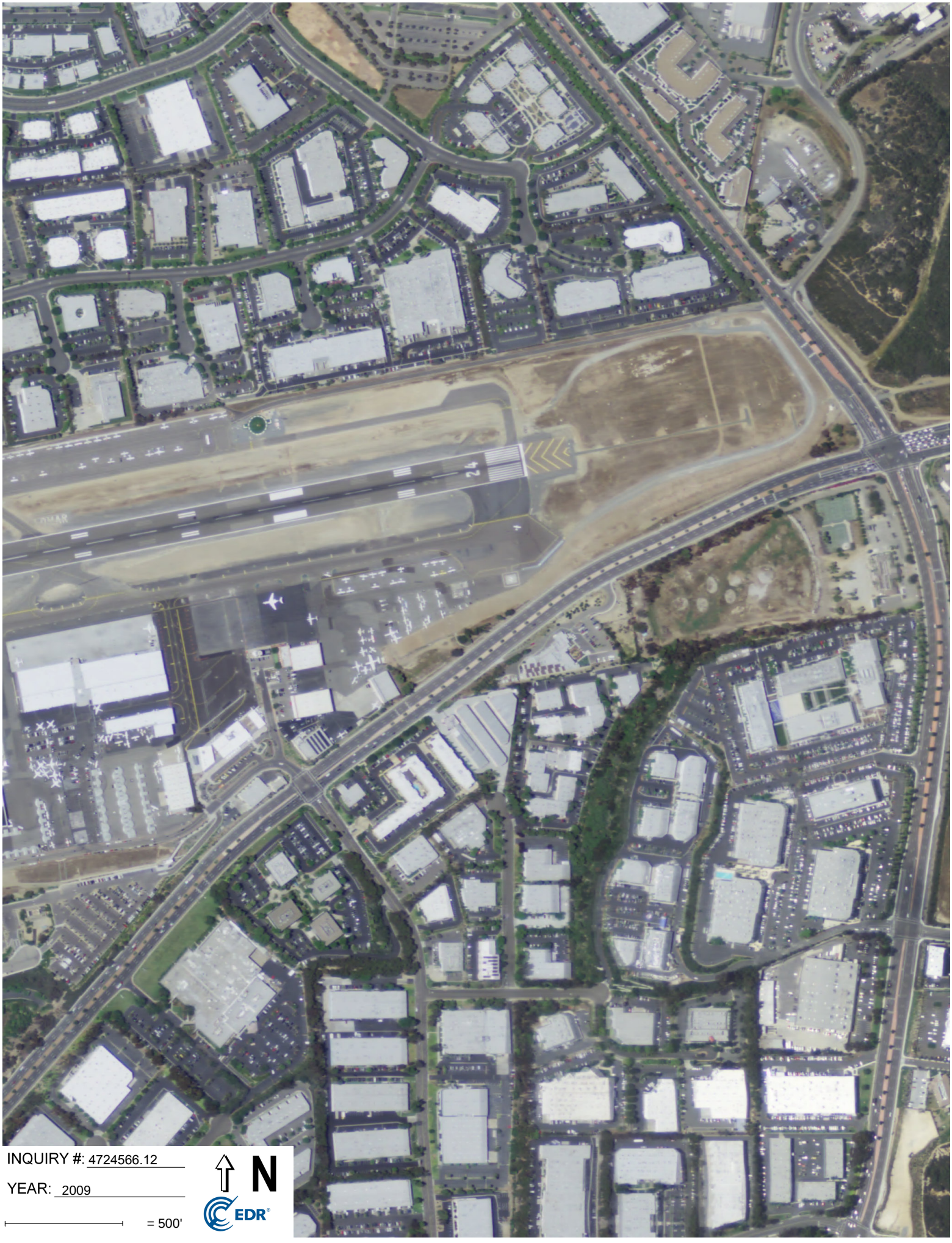
YEAR: 2010

= 500'

N

EDR


INQUIRY #: 4724566.12
YEAR: 2009
= 500'
N
EDR



INQUIRY #: 4724566.12

YEAR: 2009

= 500'

N

EDR



INQUIRY #: 4724566.12

YEAR: 2005

= 500'

N

EDR



INQUIRY #: 4724566.12

YEAR: 2005

= 500'

N

EDR



INQUIRY #: 4724566.12

YEAR: 1994

= 500'

N

EDR



INQUIRY #: 4724566.12

YEAR: 1994

= 500'

N

EDR



INQUIRY #: 4724566.12

YEAR: 1990

= 1000'

N

EDR



INQUIRY #: 4724566.12

YEAR: 1985

= 1000'

N

EDR



INQUIRY #: 4724566.12

YEAR: 1979

= 1000'

N

EDR



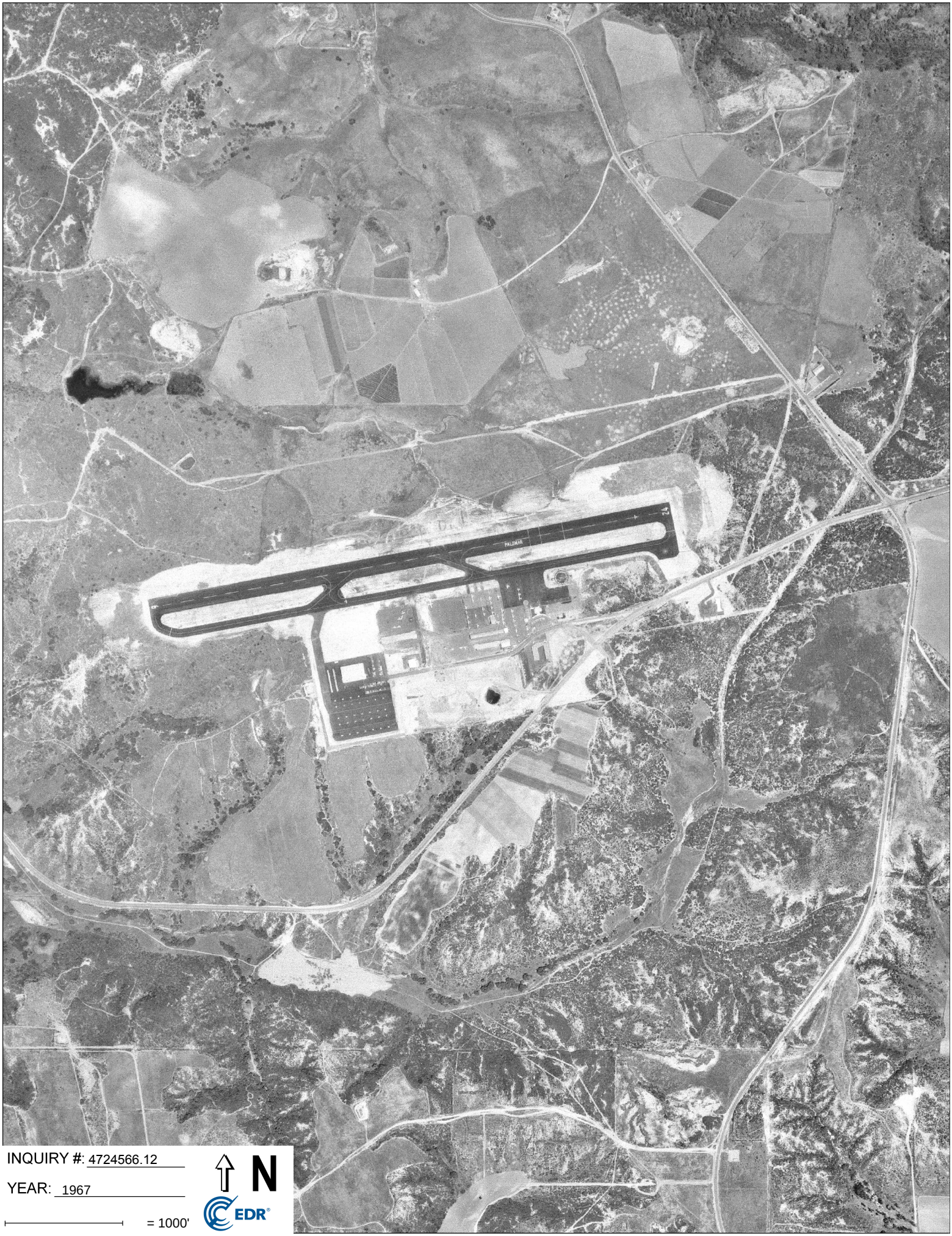
INQUIRY #: 4724566.12

YEAR: 1970

= 1000'

N

EDR



INQUIRY #: 4724566.12

YEAR: 1967

= 1000'

N

EDR



INQUIRY #: 4724566.12

YEAR: 1964

= 1000'

N

EDR



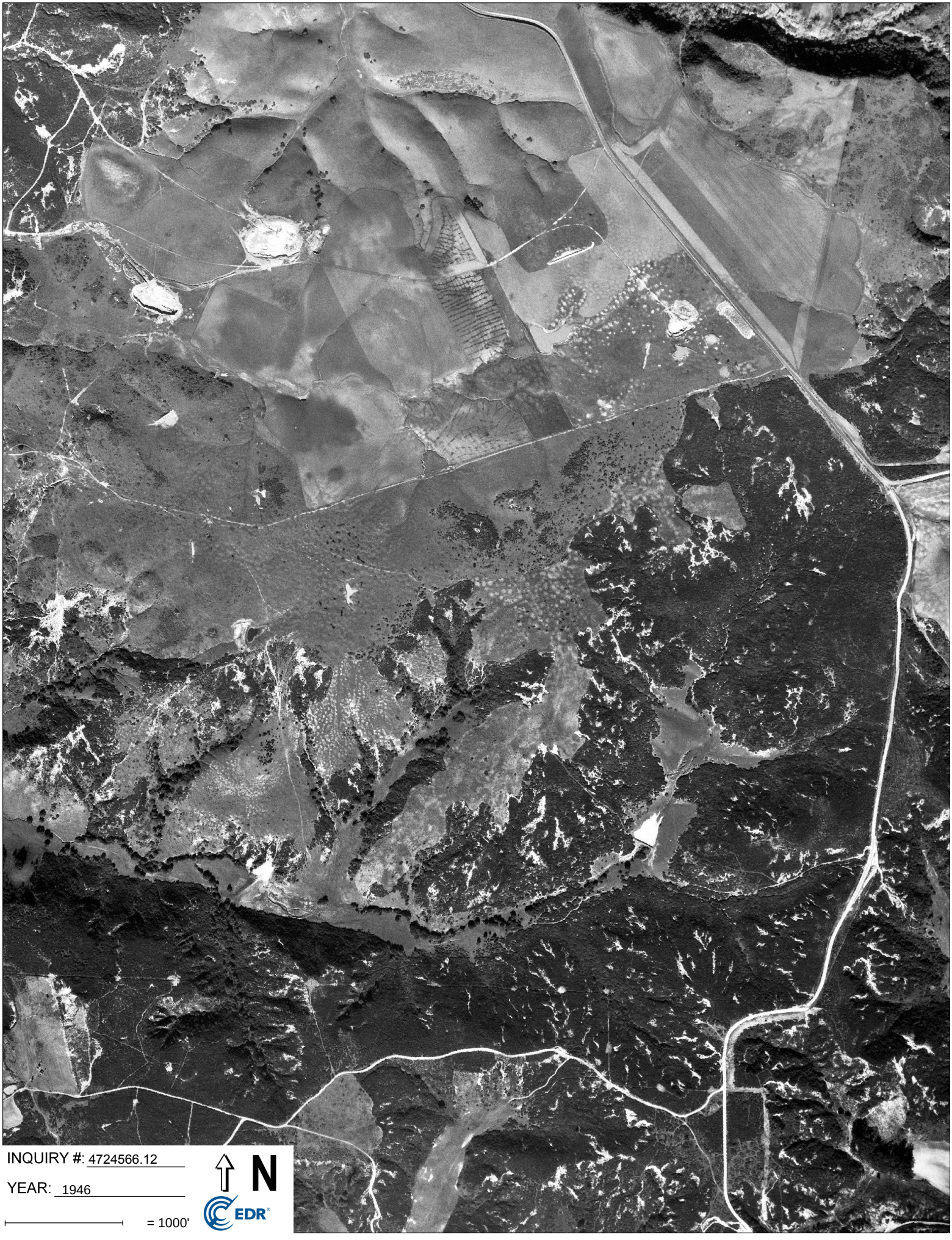
INQUIRY #: 4724566.12

YEAR: 1953

= 1000'

N

EDR



INQUIRY #: 4724566.12

YEAR: 1946

= 1000'

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EDR



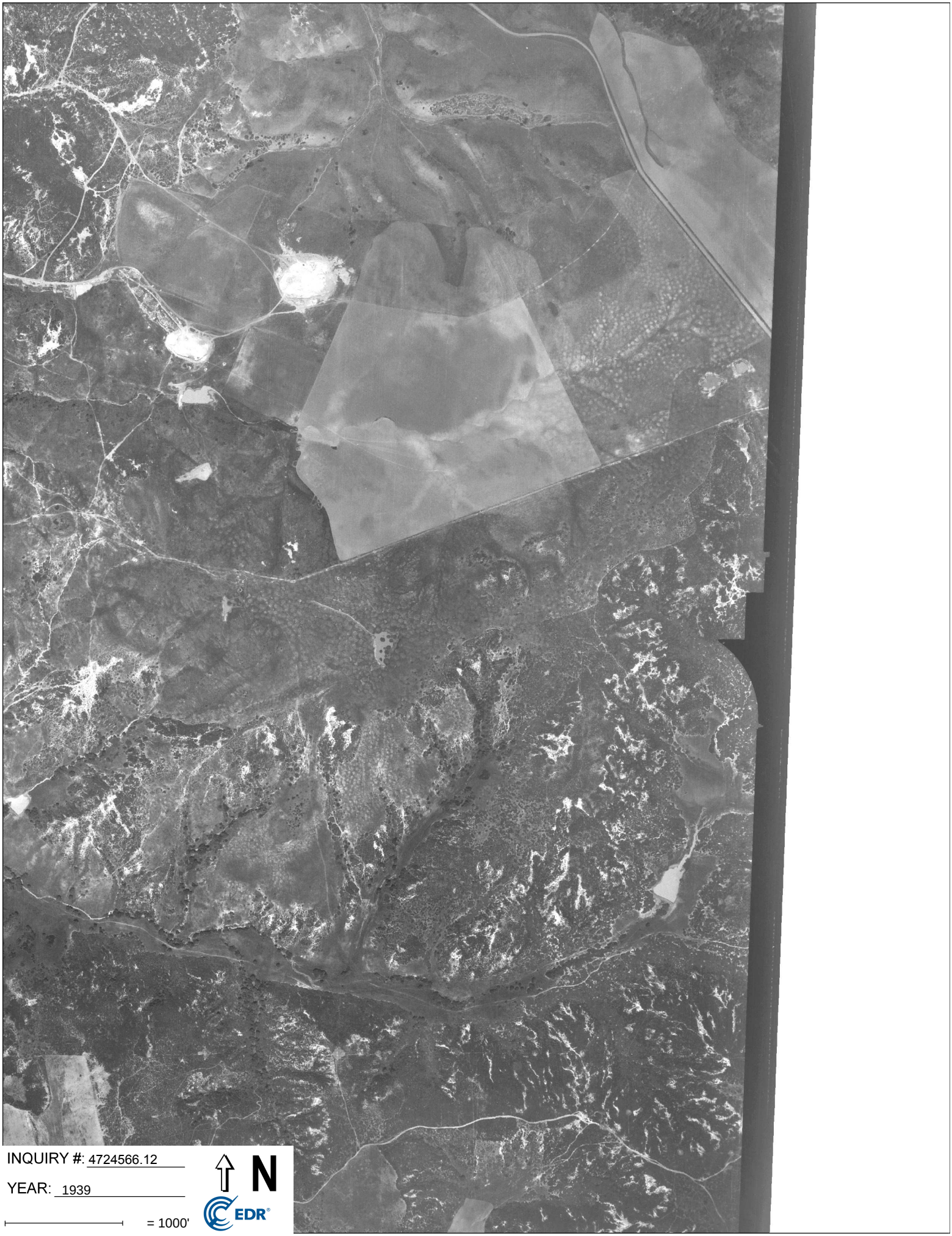
INQUIRY #: 4724566.12

YEAR: 1939

= 1000'

N

EDR



INQUIRY #: 4724566.12

YEAR: 1939

= 1000'

N

EDR

City Directories

McClellan-Palomar Airport
2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008

Inquiry Number: 4724566.5
September 12, 2016

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

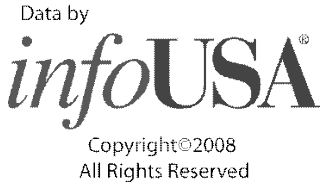
Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory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

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1903 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

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

RECORD SOURCES

EDR is licensed to reproduce certain City Directory works. Reproduction of City Directories without permission of the publisher may be a violation of copyright.



RESEARCH SUMMARY

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

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	X	X	-
2008	Cole Information Services	-	X	X	-
2006	Haines Company, Inc.	-	X	X	X
2000	Haines Company, Inc.	-	X	X	-
1995	PACIFIC BELL WHITE PAGES	-	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	X	X	-
1991	PACIFIC BELL WHITE PAGES	-	X	X	-
1989	Pacific Bell	-	X	X	-
1985	PACIFIC BELL WHITE PAGES	-	X	X	-
1984	R. L. Polk & Co.	-	-	-	-
1980	Pacific Telephone	-	X	X	-
1976	Luskey Blue Book	-	X	X	-
	Luskey Brothers & Co., Inc.	-	X	X	-
1975	R. L. Polk Co.	-	-	-	-
1971	Community Directory Co.	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1970	John M. Ducy	-	X	X	-
1966	R. L. Polk Co.	-	-	-	-
1965	Luskey Brothers Co., Inc.	-	X	X	-
1962	Community Directory Co.	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	The Pacific Telephone Telegraph Co.	-	-	-	-
1956	R. L. Polk & Co.	-	-	-	-
1955	The Pacific Telephone & Telegraph Co.	-	-	-	-
1952	R. L. Polk Co. of California	-	-	-	-
1950	The Pacific Telephone Telegraph Co.	-	-	-	-
1948	San Diego Directory Co.	-	-	-	-
1945	San Diego Directory Co.	-	-	-	-
1943	San Diego Directory Co.	-	-	-	-
1940	San Diego Directory Co.	-	-	-	-
1938	San Diego Directory Co.	-	-	-	-
1933	San Diego Directory Co.	-	-	-	-
1927	San Diego Directory Co.	-	-	-	-
1921	San Diego Directory Co. Inc.	-	-	-	-
1907	San Diego Directory Co.	-	-	-	-
1903	San Diego Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
5960 El camino real	Client Entered	X
1991 Palomar Airport road	Client Entered	
5701 El Camino Real	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

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

EL CAMINO REAL

5701 EL CAMINO REAL

Year	Uses	Source
2013	HYDROSCAPE PRODUCTS	Cole Information Services
	EL CAMINO RENTAL	Cole Information Services
2008	BILCAN INC	Cole Information Services
	EL CAMINO RENTAL	Cole Information Services
	B & C LEASING INC	Cole Information Services

5960 EL CAMINO REAL

Year	Uses	Source
2013	WASTE MANAGEMENT INCCOAST	Cole Information Services
	LIBERTY CONTRACTOR STORAGE YARDS	Cole Information Services
	LIBERTY RECYCLING	Cole Information Services
	PALOMAR TRANSFER STATION	Cole Information Services
	WASTE MANAGEMENT	Cole Information Services
2008	COAST TRANSFER & HAULING CO	Cole Information Services
	PALOMAR TRANSFER STATION	Cole Information Services
	COAST WASTE MANAGEMENT	Cole Information Services

El camino real

5960 El camino real

Year	Uses	Source
1995	Main Olc	PACIFIC BELL WHITE PAGES
	From Oceanside Telephones Call	PACIFIC BELL WHITE PAGES
1992	Coast Waste Management	PACIFIC BELL WHITE PAGES
	COAS T W AS TE MAN AGE ME N T	PACIFIC BELL WHITE PAGES
1991	Coast Waste Management	PACIFIC BELL WHITE PAGES
	From La Jolla Telephones Call	PACIFIC BELL WHITE PAGES
1989	COAST WASTE MANAGEMENT	Pacific Bell
1980	Browning Ferrls Industries Of San Diego	Pacific Telephone

FINDINGS

EL CAMINO REAL

6155 EL CAMINO REAL

Year	Uses	Source
1980	Servosnax Of Southern California Inc	Pacific Telephone
	Hughes Aircraft Co Industrial Products Div	Pacific Telephone

6200 EL CAMINO REAL

Year	Uses	Source
1980	Beckman Instruments Inc Microbics Div	Pacific Telephone

PALOMAR AIRPORT RD

1991 PALOMAR AIRPORT RD

Year	Uses	Source
2008	BP MARKET	Cole Information Services

2386 PALOMAR AIRPORT RD

Year	Uses	Source
2000	XXXX	Haines Company, Inc.
1985	SCHMIDT D	PACIFIC BELL WHITE PAGES
1980	Schm Idt D	Pacific Telephone
	B H W & Associates	Pacific Telephone
	Metal Cage The	Pacific Telephone
	Jayne Company	Pacific Telephone
	Southern Skies Flying Club	Pacific Telephone
	Pabas Aircraft Radio	Pacific Telephone
	Garnair Inc	Pacific Telephone
	Golden State Helicopters	Pacific Telephone
	Crossman Jerry	Pacific Telephone
	Rattner Jack	Pacific Telephone
	Townsend Rent A Car	Pacific Telephone
	Jet Aire	Pacific Telephone
	Flight Trails	Pacific Telephone
1976	Aircraft Mobile Homes Inc	Luskey Brothers & Co., Inc.
	BHW & Associates	Luskey Brothers & Co., Inc.
	Barker Ted airpln engns	Luskey Brothers & Co., Inc.
	Bonanza Service	Luskey Brothers & Co., Inc.
	Flight Trail Is	Luskey Brothers & Co., Inc.
	Flight Trails	Luskey Brothers & Co., Inc.

FINDINGS

Year	Uses	Source	
1976	Flight Trails Inc	Luskey Brothers & Co., Inc.	
	Carnair Inc	Luskey Brothers & Co., Inc.	
	Hughes Helicopters	Luskey Brothers & Co., Inc.	
	Jayne Co rl est	Luskey Brothers & Co., Inc.	
	Martin NCA Sales	Luskey Brothers & Co., Inc.	
	Max Power Inc	Luskey Brothers & Co., Inc.	
	Pabas Aircraft Radio	Luskey Brothers & Co., Inc.	
	Palomar Air Service	Luskey Brothers & Co., Inc.	
	Palomar Airport Mgr	Luskey Brothers & Co., Inc.	
	Palomar Airport Cafe	Luskey Brothers & Co., Inc.	
	Palomar Aviation Inc	Luskey Brothers & Co., Inc.	
	Palomar Flight Center	Luskey Brothers & Co., Inc.	
	Riley West	Luskey Brothers & Co., Inc.	
	Palomar Airport	Luskey Brothers & Co., Inc.	
	Shelter & Services	Luskey Brothers & Co., Inc.	
	Skywest Flyers	Luskey Brothers & Co., Inc.	
1971	SOUTH COAST AVIATION Wm H Bill Blackwood genl mgr	Community Directory Co.	
1965	Flight Trails aircraftschool	Luskey Brothers Co., Inc.	
	Pabas Aircraft Radio	Luskey Brothers Co., Inc.	
	Palomar Aviation Inc	Luskey Brothers Co., Inc.	
	Palomar Piper Aircraft Sales	Luskey Brothers Co., Inc.	
	South Coast Flying Service	Luskey Brothers Co., Inc.	
	Refuse Disposal Area	Luskey Brothers Co., Inc.	

2481 PALOMAR AIRPORT RD

Year	Uses	Source	
2013	COUNTY OF SAN DIEGO	Cole Information Services	
	COUNTY OF SAN DIEGO	Cole Information Services	
2008	COUNTY OF SAN DIEGO	Cole Information Services	
	COUNTY OF SAN DIEGO	Cole Information Services	
2006	SD CO ANIMAL CONTRL	Haines Company, Inc.	Image pg. A1
	PALOMAR AIRPORT	Haines Company, Inc.	Image pg. A1
	MCCLELLAN PLMR ARPT	Haines Company, Inc.	Image pg. A1
2000	SD CO ANML CONTROL DOG TAG INF	Haines Company, Inc.	
	SD CO ANML CONTROL DANGERS DOG	Haines Company, Inc.	
	SD CO ANIMAL CONTRL	Haines Company, Inc.	
1976	North Shelter	Luskey Blue Book	
	San Diego County Of	Luskey Blue Book	

Year	Uses	Source
1976	North County Animal Shelter	Luskey Blue Book
	San Diego County Of	Luskey Blue Book
	Or	Luskey Brothers & Co., Inc.
	Call	Luskey Brothers & Co., Inc.
	San Diego Fire Equipment	Luskey Brothers & Co., Inc.
	Shelter & Services	Luskey Brothers & Co., Inc.
	North Shelter	Luskey Brothers & Co., Inc.
1971	SAN DIEGO COUNTY OF	Community Directory Co.
	N County Animal Shelter	Community Directory Co.

2606 PALOMAR AIRPORT RD

Year	Uses	Source
2000	COLLINS Chuck	Haines Company, Inc.

PALOMAR AIRPORT ROAD CARLS

2386 PALOMAR AIRPORT ROAD CARLS

Year	Uses	Source
1970	Jaynie Company 2386 Palomar Airport Rd C	John M. Ducy
	Aerial Crop Service 2386 Palomar Airport Rd C	John M. Ducy
	Heli Birds Helicopteis 2386 P lomar Airport Rd C	John M. Ducy
	Garn air Inc 2386 Paloimar Airport Rd C	John M. Ducy
	Flight Trails Flight Sch 2386 Palomar Airport Rd C	John M. Ducy
	EZ Air Inc 2386 Palomar Airport Rd C	John M. Ducy
	Avis Car Rental 2386 Palomar Airport Rd C	John M. Ducy
	Aicraft Custom Service 2386 Palomar Airport Rd C	John M. Ducy
	So Cst Aviation Piper 2386 Palomar Airport Rd C	John M. Ducy
	Hughels Tool Co Holis 2386 Palonar Airport Rd C	John M. Ducy
	Pearson Mary Flight Trails 2386 Palomar Airport Rd C	John M. Ducy
	Palomar Piper Arcrft Sis 2386 Palomar Airport Rd C	John M. Ducy
	Palomar Aviation Inc 2386 Palomar Airport Rd C	John M. Ducy
	Paloniar Airport Ca e 2386 Palomar Airport Rd C	John M. Ducy

Year	Uses	Source
1970	Palomar Airport 2386 Palomar Airport Rd C	John M. Ducy
	Pabas Radio 2386 Palomar Airport Rd C	John M. Ducy

2481 PALOMAR AIRPORT ROAD CARLS

Year	Uses	Source
1970	N C Animal Shltr 2481 Palomar Airport Rd C	John M. Ducy
	Cnty Refuse Disp Palomar Airport Rd C Carlsbad Raceway Co Palom	John M. Ducy
	Fraee Edwin Inc Palomar Airport RNd C	John M. Ducy
	Ukegawa Bros Palomar Airport Rd C	John M. Ducy

PALOMNIAR AIRPORT RD

2386 PALOMNIAR AIRPORT RD

Year	Uses	Source
1976	North Cou Aviation Inc	Luskey Brothers & Co., Inc.

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

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

Address Researched	Address Not Identified in Research Source
2501 PALOMAR AIRPORT RD	2013, 2008, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

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

Address Researched	Address Not Identified in Research Source
1991 PALOMAR AIRPORT RD	2013, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
1991 Palomar Airport road	2013, 2008, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2386 PALOMAR AIRPORT RD	2013, 2008, 2006, 1995, 1992, 1991, 1989, 1984, 1975, 1970, 1966, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2386 PALOMAR AIRPORT ROAD CARLS	2013, 2008, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2386 PALOMNIAR AIRPORT RD	2013, 2008, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2481 PALOMAR AIRPORT RD	2013, 2008, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1975, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2481 PALOMAR AIRPORT RD	2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2481 PALOMAR AIRPORT ROAD CARLS	2013, 2008, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2606 PALOMAR AIRPORT RD	2013, 2008, 2006, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5701 El Camino Real	2013, 2008, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5701 EL CAMINO REAL	2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

FINDINGS

Address Researched	Address Not Identified in Research Source
5960 El camino real	2013, 2008, 2006, 2000, 1985, 1984, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5960 EL CAMINO REAL	2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
6155 EL CAMINO REAL	2013, 2008, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
6200 EL CAMINO REAL	2013, 2008, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

Source Page Images Appendix

TP	Adjoining	Source
-	✓	Haines Company, Inc.

PALOMAR AIRPORT RD 2006

2206 ★EXPRESS AIR CHARTER 760-930-0749 4
★EXPRESS AIR CHARTER 760-931-7922 4
★EXPRESS AIR CHARTER 760-931-7920 4
★HENNESSEY ROBERT 760-930-9490 +6
★INTL AVIATION 760-931-1106 4
★OCEAN AIR CHARTERS 760-438-7912 2
★SWAIN OIL TRANSPORT 760-607-0242 +6
★TECHNO COMPANY 760-602-4280 2
2210 ★AIR BY JET LLC 760-438-2766
★AIRCRAFT EXCHANGE 760-929-1808
★COR AVIATION LLC 760-804-0064 4
★PAC COAST FLYERS FLYING CLUB 760-431-9329 +6
★V C JETS LLC 760-804-8286 2
★WESTRN FLIGHT 760-438-6800
★WESTRN FLIGHT 760-438-9300
★WESTRN FLIGHT INC 858-756-7440
2219 ★WASH MUTUAL 760-438-7791 1
2235 ANGLETON Richard 760-431-7586 +6
★CARLSBD SELF STORAGE LLC 760-602-0909 3
2481 ★MCCLELLAN PLMR ARPT 760-431-4646 4
★PALOMAR AIRPORT 760-431-4646 4
★SD CO ANIMAL CONTRL 760-438-2312
★ 228 BUS 5 RES 41 NEW

PALOMAR AVE 92037 LA JOLLA

WEALTH CODE 7.8

X NEPTUNE PL
210 XXXX OO
X VISTA DEL MAR AVE
240 ● STORY William OO 8
260 A ● FRANKLIN Sydney OO 1
POWERS Marilyn 858-551-8413 +6
310 XXXX OO
312 ● KUNAC Dusan OO 0
314 KUNAC D 858-551-1191 4
316 ● HOFMANN Gregory OO 2
318 ● JAFARIAN Babak OO
320 JADIRI Abbas 858-459-3473 4
● JODAYRI Abbas OO 3
322 ● SAGART Shawn OO 0
326 XXXX OO
328 INTAGLIETTA Michelle 858-459-3823 +6
330 CAMERON Grant 858-551-9619 4
332 UYETAKE Neil 858-459-0418 4
334 BAURLE Shari 858-459-0890 4
X LA JOLLA BLVD
352 XXXX OO
354 DAVISON Bobby 858-454-0615 4
X ELECTRIC AVE
409 ● CAMPAGNA Michelle OO 9
419 ● MASON Ethel OO 0
422 GORHAM Mary 858-459-1371 4
● MOORE Vincent OO 2
427 XXXX OO
430 o BONNER Michael J 858-729-0738 1
433 XXXX OO
482 ● MORIMOTO Peter OO 0
X TYRIAN ST
503 ● SONG Ki OO 4
538 KELLER Debbie 858-459-9196 4
★NICHOLSON PROPERTIES 858-459-4284 +6
540 XXXX OO
544 SHANER Stephen 858-551-0672 4
STATLER Katheryn 858-729-0254 9
X DOWLING DR
552 XXXX OO
554 o FRITTS Derek 858-459-3766 1
604 WAYLAND Jessica F 858-454-1976
609 ● ARMSTRONG John OO 7
612 ● SCHMIDT Kenny OO 4
620 XXXX OO
622 XXXX OO
652 ● LIN Yuan OO 2
★ 1 BUS 40 RES 3 NEW

PALOMAR DR 92028 FALLBROOK

WEALTH CODE 7

X BAJA VISTA DR
3609 ● GALLAGHER James OO 1
3612 ● WYLLIE William OO 4
3617 ● FREEMEL D 760-728-3821
● FREEMEL W 760-728-3821
3629 ● HOEHN Rick A 760-728-7430
3644 ● HOLMAN Dennis OO 0
3652 BIRCHALL Richard 760-723-2680 +6
SHIELDS Catherine 760-728-4986
3658 ★SIM ENGINEERING INC 760-731-6125 0
● SIM Sandy 760-728-5944 8
● SIM Sopal 760-728-5944 8
3664 ● HAMPTON John 760-723-8130 0
3665 ● BOISVERT R G 760-731-6276 8
3675 ● HILDEBRANDT Kathleen OO 3
3697 ● LARSEN William OO 8
3715 ● BODJANAC Andrew OO 4
3726 LOEHNERT Walter J 760-723-0357 4
3735 ● STREICH Eric OO 0
3739 ● ROBERTSON Joe 760-451-1593 4
3746 XXXX OO
3748 ● FAGAN Andrew OO 4
3750 XXXX OO
3751 KESNER J 760-451-0757 +6
● SMITH Craig OO 9
3786 TASSEY Howard 760-728-9407
X EL NIDO DR
3830 XXXX OO
3837 ● BILLMEIER Wendy 760-731-7360 1
3858 ● GROSCUP Mike 760-728-6652 0
3861 ● BARTEN Valerie OO 4
3884 ZUBLIN John 760-723-0562 4
ZUBLIN John 760-723-0529 4
3909 ● HARRISON Keith 760-451-2198 2
● HARRISON Keith 760-451-0142 2
3913 ● BALDIS Leisa OO 4
3915 ● NEIMAN Ralph OO 2
3931 ● OCONNOR Jack OO 0
O'CONNOR Jack 760-723-2164 4
3936 MARTIN Doretta 760-723-4078 +6
3952 XXXX OO
3953 ● KECK Paul 760-728-8271
X SINGLETREE PL
3965 HORGAN Patrick D 760-728-1850
4030 ★G M TOOL CO INC 760-723-8685
● MUNCK Gary 760-451-9288 4
4054 ● RINARD Ernest A 760-728-3245

4107 ★AUTOMTN SERVICES CO 760-728-1389 9
★DIGIGRAPH 760-728-1706 +6
● STANFORD Dana 760-451-8644 9
● STANFORD Joe 760-728-8499 9
4134 ● LYND Philip 760-723-5984
4141 ● THIBEDEAU Tib F J 760-728-0191 4
4152 ● SOTKA Joe 760-731-7454
4153 ● STEINER Troy OO 9
4157 XXXX OO
4201 ● CORISON Craig OO 0
4202 ● TESSMAN John OO 2
4211 COBB Michael J 760-723-7711 4
● SIEGEL David OO 0
4226 VANDENBOSCH Herman H 760-728-3036 4
4250 ● HILSE M 760-451-8848 4
● HILSE S 760-451-8848 4
VANDERBOSCH Herman H 760-728-8653 4
4318 XXXX OO
4341 ● HUMPHREY Donald OO 0
4343 KNISLEY James R 760-723-4610
4345 ★CINDY'S CINNAMON ROLLS SHP INC 760-723-1121 0
● HARRIS Thomas R 760-723-1929⊕ 8
4361 o ARNOLD Phil 760-728-7048 9
4422 MCWETHY E 760-723-0727
4427 ● NANCE Peter OO 4
★TPT TECHNOLOGY 760-731-6205 4
4434 ● AMIN Sima OO +6
4435 ● SHARI S 760-451-8894 7
4447 ● WAUSCHEK Eugene 760-451-1755 8
4503 ● BORDAS P 760-728-3102
4508 ● LANSMAN Francis R 760-728-2674
4560 SIMPSON George Dr 760-728-1826
4564 ● BLISS Daniel OO 0
★ 6 BUS 71 RES 5 NEW

PALOMAR DR 92069 SAN MARCOS

WEALTH CODE 4

X MONTIEL RD
1419 ● CABALLERO Ramon OO 4
1420 ● VELASQUEZ Marlene 760-294-5423 1
1423 ● BERRY Edgar 760-746-0528
X DAWN CT
1426 BURNETT Jas P 760-747-5378
1427 ● CLAYDON Marsha OO 8
X LESLIE CT
1434 ● HEYENGA James OO 0
1435 ★INTEGRITY ELECTRIC 760-839-1941 4
● SCHMIDT Stephen L 760-480-0490⊕ 9
1443 ● STREETER James OO 8
1451 ● POPOFF Johnny OO 8
1461 ● MAIL Andrew OO 0
1466 ● DEJONG Alan OO 4
1473 ● TIMOTHY E OO +6
1475 ● SINGH Ravi OO 0
1493 ● GALVAN Jose OO 4
1494 ● CANELA Terri OO 4
1502 GREEN Don 760-746-5633
1503 ● BAJEMA Michael OO 4
1525 ● LEHMAN Daniel 760-489-8129 8
1526 GUTIERREZ Wilford 760-294-6584 +6
● NGO Uy OO 4
1554 SIMMONS M J 760-746-6313
1577 ● REDMOND James OO 0
1578 ● MACKENZIE Jo 760-743-0143 1
● MACKENZIE Jo 760-294-2501 1
● MACKENZIE Norm 760-743-7969 1
1591 ● CARTER Gregory OO 0
1592 ● DELGADO Eyvel OO 0
1603 ● PLIMPTON Albert OO 1
1615 ● STUART Stephen D 760-743-1335
1616 ● ROBERTS Doris OO 4
1619 ● MCCARY Gary OO 4
1623 ● FOX Peggy OO 2
1629 ● DEFRATES John OO 9
1635 ● WICKETT Lowell 760-741-8161 1
1639 ● SMITH K 760-738-3749 4
1643 ● HUNT Michael OO 0
1649 ● RIBBING Kari OO 4
1653 ● TUCKER Gordon OO 3
1654 ESCOBAR Javier 760-432-6194 +6
● GALARZA Oscar OO 0
1657 ● JOHNSON Michael OO 2
1658 ● PRIESTER William OO 2
1659 ● LAZET Linda 760-741-0274
1660 XXXX OO
1661 ● TORRES Antonio 760-480-0566 3
1663 ● MUGG David 760-294-1204 1
1667 ● MCGOWAN Robert OO 8
1669 ● CUNNINGHAM Evelyn 760-746-8288
1670 ● MUNDT Bryan OO 3
1671 XXXX OO
1673 ● MAJOR Sage OO 4
1674 XXXX OO
1675 ● FLEURY Floyd 760-739-0268⊕ 4
1676 ● HANEY David 760-746-3722 1
1677 ● GUEVARA James P 760-745-8796
1679 ● BOND Robert OO 1
1681 ● MARTINEZ David OO 4
1683 XXXX OO
1684 ● WENGER Gregory OO 9
X KNOBHILL RD
★ 1 BUS 59 RES 3 NEW

PALOMAR MOUNTAIN VIEW RD 92065 RAMONA

WEALTH CODE 5

X PASEO TRANQUIL LN
20808 SWARTZ Kim 760-788-5942 +6
20836 ● TAFT Mathew OO 3
20848 XXXX OO
20863 ● KELLER Iren 760-788-4468 1
● KELLER Irene 760-788-9571 1
20870 ● CHENOWETH Blayne 760-788-0635 2
20887 ● CRAIG Raymond D 760-789-6860
X N BURMA RD
★ 0 BUS 7 RES 1 NEW

PALOMAR OAKS WAY 92008 CARLSBAD

WEALTH CODE 4

X PALOMAR AIRPORT RD
1900 ★CORP OF CA 760-431-8146 +6

1910 ★AAA CARLSBD SELF STORAGE 760-930-8040 4
★CARLSBD AIRPORT SELF STORAGE 760-930-8040 0
★FIRST FINANCIAL 760-476-1772 +6
★INCREDIBLE SPACES IN CARLSBD 760-930-8040 4
★Z BEST CARLSBD STORAGE 760-930-8040 4
1911 ★SPECTRUM CONCEPTS 760-496-0300 4
1914 ★ACTIVE MOTIF THE 760-431-1263 4
★RESIDENTIAL DESIGN SERVICES 760-579-0860 4
1916 ★GLOBAL MICROWAVE SYSTEMS 760-496-0046 4
★PLANET EARTH SKATEBOARDS 760-929-7333 3
★VERTIS INC 760-438-8982 4
1917 . . . . . BUILDING
★AMERICA 1ST FINANCIAL 760-448-4480 +6
★BAYSIDE SOLUTIONS INC 760-448-2970 +6
★COMRCE TITLE CO 760-930-9044 4
★HARCOURT INC 760-603-1725 3
★JOHN LAING HOMES 760-448-3900 4
★JOHN LANGE HOMES - CARLSBD 760-448-3901 4
★PROCOPIO CORY HARGREAVES LLP 760-931-9700 4
★QMCI CALIFORNIA INC 760-431-4343 3
★SENTRE PARTNERS 760-268-0600 4
★TIGER FINANCIAL SERVICES 760-431-3555 3
★TURNER FINANCIAL GROUP 760-918-1616 +6
1917 . . . .
1921 . . . . . BUILDING
★ACCOUNTANTS EXECUTIVE SEARCH 760-431-7770 8
★AJILON FINANCE 760-431-7770 1
★AJILON PROFESSIONAL STAFFING 760-431-7770 1
★AMERIQUEST MORTGAGE COMPANY 760-431-4551 9
★AOC 760-431-7770 1
★AOC CARLSBD 760-431-7770 1
★BEACH WHITMAN THE LAW OFC OF 760-930-0016 +6
★CALADON USA INC 760-268-1988 4
★CARITAS CORPORATION 760-603-1484 4
★CROWELL WEEDON & COMPANY 760-931-9191 4
★E CUBED LLC 760-476-9853 +6
★INSTAPAY INTERNATIONAL INC 760-804-3800 4
★ML STERN & CO 760-602-1200 4
★SEA COAST ESCROW 760-431-4900 +6
★SUNSET COAST CAPITAL 760-929-3800 +6
★WESTAFF 760-579-0838 4
1921 . . . .
1925 ★ACCOUNTING OPTIONS INC 760-929-0075 4
★BERL & FRANK PRSNL FNCL SERV 760-438-3360 +6
★CENTER CAPITAL FUNDING GROUP 760-930-9700 4
★MEDICAL PROTECTIVE INSURANCE 760-602-9440 1
★ONSTAFF TITLE TEMPS 760-579-0044 4
★PSB LENDING CORP 760-930-0210 8
★SEA COAST ESCROW 760-918-1533 4
★WATERFORD DEVELOPMENT 760-602-4916 4
X WRIGHT PL
★ 47 BUS 0 RES 10 NEW

PALOMAR OAKS WAY 92011 CARLSBAD

1939 ★SAFETY SYRINGES INC 760-918-9908 3
1945 ★LOGETICS INC 760-448-2900 4
★SENDX MEDICAL INC 760-930-6300 7
1949 ★I PAY ONE INC 760-602-7700 4
★LOANISLAND 760-602-5045 4
★LOANISLAND& SMMTT INVSTMNTS LN 760-435-9999 4
X WRIGHT PL
1959 . . . . . BUILDING
★CONCORDIA HOMES DESIGN CENTER 760-448-3930 4
★CPA CINER RICHARD A 760-438-1600 4
★DICARO COPPO AND POPCKE 760-918-0500 4
★DUVERA 760-931-9901 4
★DUVERA BILLING SERVICES 760-602-5000 4
★EDWARDS SAM ATTORNEYS AT LAW 760-438-4030 4
★EXCALIBUR TECHNOLOGIES 760-438-7900 9
★INSURANCE SERVICES NETWORK 760-930-9191 4
★LAWRENCE MILES C ENROLLED AGNT 760-438-4030 4
★LAWRENCE TAX SERVICE 760-438-4030 4
★NATL BUSINESS ASSOCIATION 760-692-0242 4
★PAC BONDING 760-438-6887 +6
★SAVEWEALTH 760-579-0160 4
★TWO JINN INC-DBA ALADDIN BAIL 760-431-9911 +6
★WALTERS MANAGEMENT 760-431-2522 4
1959 . . . .
1969 ★SCHUMACHER 760-931-9555
1985 ★KW MICROWAVE CORPORATION 760-929-9800 4
★KW MICROWAVE CORPORATION 760-930-6839 4
1989 ★PURACYP INC 760-929-9508 4
★PURACYP RESEARCH INSTITUTE INC 760-931-8414 4
X PALOMAR OAKS CT
★ 26 BUS 0 RES 2 NEW

PALOMAR PL 92084 VISTA

WEALTH CODE 1.9

X E VISTA WAY
1204 ALLEN Jennie E 760-630-2099 +6
OLSON Phyllis 760-295-6806 4
1210 A ESPINOZA Javier 760-630-1949 2
B JIMENEZ Maria 760-758-0301 1
1215 . . . . . APARTMENTS
14 CAMPBELL Steve 760-726-5609 4
DODD William 760-295-5907 4
4 NGO Milly 760-806-3682 0
NGUYEN Tri 760-806-6465 4
SMITH Don 760-630-0580 4
1215 . . . .
1216 GONZALEZ Sonia 760-842-1542 4
X MADERA LN
1222 COLIN Veronica F 760-945-4825 9
RAMOS Ingracia 760-941-5140 4
WIKBERG Janel 760-631-1452 4
1225 . . . . . CASA ANTIQUA APTS
CAIN Jessie 760-414-9026 4
74 CARDOZA Ferman 760-941-4580 4
★CASA ANTIQUA APTS 760-724-9372
DIBBELL Harry 760-842-1130 +6
103 KING James 760-631-7617 0
MEDEARIS Emily 760-945-1785 4
PREVIE Joannea 760-724-3359 4
111 RAZO Lisa 760-726-0064 4
SEITTER Scott 760-726-2189 4
1225 . . . .
1228 CARLOCK Larry 760-639-0943 +6
C LEE David M 760-940-0460 4
1234 EVERARDO Martinez 760-630-1172 3
MARTINEZ Carlos 760-945-2098 4
D MERCADO Omar 760-806-3603 4
1240 MACKALL Bryan 760-631-8342 2
SALGADO Guadalupe 760-639-0131 4
1245 . . . . . CASA ANTIGUA APTS
BEAN Gerald 760-295-2674 +6
BOOK Kyle 760-295-8714 +6
CARTER Cory 760-941-8823 +6
CLARK Mark 760-295-3127 4
49 DIEDERICH Al 760-842-1326 +6
DISHAROON Terry L 760-630-4598 +6
GRAHAM Charlie 760-295-9169 4
HAAG Maria 760-295-1434 +6
MURPHY John 760-806-6577 4
RODRIGUEZ Yesenia 760-945-6850 +6
SANCHEZ Leonardo 760-724-4815 4
18 SERRANO Benjamin F 760-806-4758 4
SEXTON Cliff 760-724-0719 4
61 SMITH Alonzo 760-941-6987 8
6 STAATS Chuck 760-758-4573
TENNEY Brad 760-631-4396 4
UCLARAY Colleen 760-295-2664 +6
VEST Eric 760-945-9149 +6
1245 . . . .
1246 DEMARCO Deanica 760-295-4998 +6
1252 BELL Robert 760-758-5597 4
X OAK DR
1302 ● GOLD Michael OO 1
1304 ● MARCUS Naomi OO 2
1306 ● INGRAM Jerry OO +6
1308 PEREZ Salustiano 760-758-5430 4
● WYNN Kenneth OO 1
1310 NARES Samuel 760-758-9265 4
1312 ● PAZ Danie OO +6
1314 ● VIVIANO Pedro OO 4
1316 ● DOLGINSKIY Sergey OO 4
1318 ● MCCOMB Jody OO 3
1320 ● DOOLEY Leila OO 1
1322 ● ALVARADO Hilario 760-631-7067 3
1324 ● BEDARD Monique OO 2
1326 FWEARINGEN Melinda L 760-726-1569 4
● REID Daniel OO 8
1328 ● NELSON Roger OO 1
1330 ● SOUZA Raul OO 4
1332 BALFOUR David 760-631-8244 4
1334 ● MACANDREW Stacey OO 3
1336 ● GIFFORD Randall OO 2
1338 ● SHERRING Albert OO 2
1340 ● BASSETT Jeffrey OO 4
1342 MARTINEZ Elodia 760-732-5936 4
1344 ● HOWARD Edith 760-639-6249 0
1346 ● DELGADO Vincent OO 0
1348 BILL Yvonne 760-806-2762 4
● TRIMBLE Shawn OO 3
1350 ● ESCOBAR Edgar OO 4
1352 ● WASKIEWICZ Glen OO 8
1354 ● MELNYCHUK Volodymyr OO 3
1356 ● NELSON Roger OO 0
1358 ● CORONA Jose OO 4
1362 ● BIRD Diyu OO 1
1364 ● WALSH Regina 760-630-8339 9
1366 ● VALDEZ Susan OO 9
1368 ● BLUMEYER Valerie 760-724-7047 4
1370 ● ESCOBAR Edgar OO +6
GARCIA Isaura 760-639-1228 +6
1372 ● MUELLER Howard OO 4
1374 ● KOHL Jason 760-630-6619 3
1376 ● GLENDAY Patricia OO 4
1378 GELON Joel 760-414-9445 4
● TOOKER Mary OO 3
1380 ● ALDRETE Jose OO 0
1382 ● TOOMBS B 760-414-1431 4
1384 ● HERMAN Keith 760-945-7821 3
1386 ● GLASSER Clyde OO +6
1388 BLINN James M 760-631-0046 2
1390 ● JARVIS James OO 4
1392 RODRIGUEZ S 760-806-6705 +6
● TAPIA Jose OO 3
1394 ● CHEATHAM Grant OO 2
1396 ● LEWIS Ted OO 9
X BONAIR RD
1435 ● SHAW Steven 760-758-3772⊕
★SHAW STEVEN CONSTR 760-941-0356⊕
1439 o RICHARDS Norma 760-724-0269 1
1446 ● SMITH Bruce OO 0
1451 ANRAMIREZ Ana Maria 760-414-1909 +6
● FOOTE Maria OO 4
RAMIREZ Magdaleno 760-806-3306 4
1469 ● TABARES Antonio OO 0
★ 2 BUS 108 RES 20 NEW

PALOMAR TER 92027 ESCONDIDO

WEALTH CODE 3

X SAN PASQUAL VALLEY
1210 ● VAITHIANATHAN Trevor OO 4
WEIKLE V 760-740-2527 4
1220 ● HILL Susan OO 9
1223 KAKEY Weeam 760-746-9631 +6
B NAMU Firas 760-432-6392 9
SALDANA Alberto 760-839-3438 +6
1230 ● KEELING Sandra Jo 760-747-6413 8
1233 ● BARRON Fausto OO 4
1240 ● FRANKLIN Mike 760-489-9410
1241 CRAFT John R 760-747-2019
1250 ● HUGINS Richard OO 9
1251 ● SULLA Larry OO ⊕ 1
1256 ● TORRES Alfredo 760-489-2850 0
1259 MIKITA Bonnie J 760-480-9510⊕ 3
1304 ● HARROLD Larry 760-741-5106 3
1305 ● CAMERON Michael OO 0
1314 ● JIMENEZ Angel OO 3
RUVALCABA Liliana 760-746-2604 4
1315 HIGBEE Joshua 760-796-4119 +6
● OVERLEY A 760-747-3555
● OVERLEY A 760-747-7221

1322 ● LOWDEN Frank G 760-745-2076
1325 XXXX OO
1331 ● FITCH Rafael OO 0
1332 ● ASTE Kathleen OO 8
1338 ● BACON Carole OO 4
1345 ● LAYNE Ciara OO 0
1346 MCLAREN Wallace H 760-743-1154
1352 ● MYRICK Matthew 760-743-0226 +6
1353 ● GONZALES Jesus OO +6
1360 ● SALCIDO Carlos OO 0
★ 0 BUS 31 RES 5 NEW

PALOMAR VISTA DR (05) 92056 OCEANSIDE

X PALMERA DR
1500 DIDION Patricia Donley 760-630-1944 4
DONLEY K 760-643-1282 4
★ 0 BUS 2 RES 0 NEW

PALOMAR VISTA DR (01) 92082 VALLEY CENTER

WEALTH CODE 9

30303 ● HALLIGAN Ken OO 3
30308 ● LATULIPPE Kathy 760-751-2056 +6
30316 ● SCHULTZ Robin A 760-749-4433 2
30325 ● LONG Douglas OO 2
30347 ● ANDERSEN Mark OO 4
30369 XXXX OO
30391 ● NELSON Randall OO +6
X CRESCENT MOON DR
30447 ● MCCOTTER Tracey OO +6
30450 XXXX OO
30478 ● VANORDEN Randy OO 4
30481 o FARKAS Joseph 760-751-3069 2
30488 XXXX OO
30540 ● HARRIS Robert OO
30547 ● ROSS Greg 760-751-2558
● ROSS Greg 760-751-8387
● ROSS Greg 760-749-2668
30576 ● JOHNSEN Douglas OO +6
30589 ● SMITH John OO
30606 ● ELDRIDGE Robert 760-749-4155 3
30610 ● PRICE John OO
30613 ● BARDWELL Lowell OO 4
30622 ● CLANTON Daniel OO
30654 ● MCKEE Mickey 760-749-3474
30665 ● JARMAN Greg OO
30670 ● WHITNEY Devin OO 4
30686 ● MESLER Charles OO +6
30770 ● FIGUEROA Victor OO 4
30771 ● LEDUC Ernest OO 4
30837 GLUCKMAN Linda 760-749-2981⊕ 3
GLUCKMAN Linda 760-749-9532⊕ 3
★JML ENTERPRISES INC 760-749-9542 4
30848 o MEEKS Crawford 760-749-6998 3
30861 ● FOYNES Roger OO 4
30882 ● ADAMS Neal 760-751-0720⊕ 3
30893 ● KIRBY Kevin OO 4
30894 ● FIALA Daniel OO 4
★ 1 BUS 35 RES 5 NEW

PALOMAR VISTA RD (05) 92060 PALOMAR MOUNTAIN

P O BOXES ONLY
NO DELIVERY BY ADDRESS

3417 KELLOGG C 760-742-0414 4
3471 ● SHIELDS Michael OO 4
3492 ● DAVIS Roy OO
★ 0 BUS 3 RES 0 NEW

PALOMARCOS AVE 92069 SAN MARCOS

WEALTH CODE 2

X PALMAC ST
1484 FERRARIS S T 760-727-0783
1485 ● PARSONS Clifford 760-727-8794
1487 ● SAWYER Randy OO 8
1490 ● PERKINS Randy W 760-727-6565
1491 ● DUBESKY James OO 0
SCHROEDER Jason K 760-598-8440 1
X N PACIFIC ST
1500 ● ARELLANO Jaime OO 4
1504 ● SAN Miguel Francisco 760-598-6953 1
1505 ● MERAZ Ramiro 760-599-9744 0
● MERAZ Ramiro 760-295-0591 0
1507 ● GUADARRAMA Jose OO 4
SALGADO Bertha 760-598-7984 4
1508 ● RUBALCABA Richard OO 0
X SILVER SPUR WAY
1529 ● BENITEZ Hugo OO 3
1537 ★GENESIS & ROY'S TV 760-727-4868 4
● LESLIE Michael OO 8
★ROY'S TV 760-727-4868 4
1547 ● DAVILA Manuel 760-727-3156
1548 ● CHAN Martin OO 0
1555 ● MACEDO Tayde OO 0
TAYDE Macedo 760-598-2711 4
1556 ● CANTORAN Silvino OO 7
MEDINA Javier 760-734-1549 +6
1565 ● MARTINEZ Isabel 760-598-8517 3
X POMMEL WAY
1601 ● BELJEAN Eric J 760-727-2931 3
1608 ● MULHERIN Byron OO 1
1609 ● GONCALVES Manuel OO 0
MIFSUD J 760-599-8744 +6
1617 ● GARCIA Cruz 760-295-3357 0
RICARDO Juan 760-599-0924 4
1618 ● MENDEZ Tereso 760-597-0915 4
1625 ● BELMAN Enrique 760-597-0635 4
1626 ● MOEDANO Jeronimo OO 0
1631 ● KIRBY Connie OO 0
1632 ● KUNKLE Edna M 760-727-2442
1639 ● PANKOW Harvey OO 2
1640 ● BAGLEY Juliette OO 8
X CONCHA LN
1649 ● STOAKES Peter OO 0
★ 2 BUS 36 RES 2 NEW

PALOMARES CT (99) 92028 FALLBROOK

WEALTH CODE 6

1203 FURTADO Anthony 760-728-9496 4
1212 ● BERMUDEZ Jesse OO 4
1221 o DICKSON Eric I 760-723-9452 9
1226 ● WATSON Donald OO 0

1254 XXXX OO
1255 XXXX OO
1258 XXXX OO
1276 o KAVANAGH T M 760-728-6373 9
★ 0 BUS 8 RES 0 NEW

PALOMARES RD (97) 92028 FALLBROOK

WEALTH CODE 6

X ARBOLITA LN
1702 ● HANNAFORD Gordon OO 9
1715 ● BREIER Tony 760-723-3633 8
1754 ● GILBERT James W 760-731-1178 2
1783 ● FEINBERG David OO 0
1795 o STUART Janet 760-731-7019 8
1798 ● GUTIERREZ Oscar 760-728-3077 9
1802 ● PHELPS Raymond OO 4
1836 o WINSTEAD W E 760-731-1498 9
1855 ● KOLB William OO 0
1864 ● TERRELL Robert OO ⊕ 2
1875 ● GOMOLSKI Joseph R 760-728-8884⊕ 8
1883 ● HORTA Raylene 760-723-2286 8
1888 ● HOWLAND Nancy OO 0
1895 BECHLER-EVANS Justine M 760-728-3045 7
EVANS Paul R 760-728-3595 7
★ 0 BUS 15 RES 0 NEW

PALOMINO CIR 92037 LA JOLLA

WEALTH CODE 9

2652 BELL Lamar 858-551-0763
2661 ● MAGET Henri OO 0
RICE E M 858-456-0472
2662 ● RAFFERTY Catherine OO 4
2671 ● SANFRATELLO Michael OO 4
X CACTUS WAY
2691 ● GLYNNE Richard 858-456-8443 3
2692 ● BULJAT Bryan OO +6
LAGOS Joas 858-551-4110 3
X SOLEDAD MOUNTAIN RD
2701 o TSAI Joseph 858-551-0925 4
2715 ● SMITH Roy 858-454-1827
2720 ● NELSON Bruce OO 0
2733 ● HARRISON John OO 7
2738 XXXX OO
2754 XXXX OO
2767 ● KASHANI Iraj Aryanpur 858-456-0235 2
2770 ● BOYCE Wm H Sr 858-459-7749⊕
2790 JOSEPH Jas 858-459-1670
2791 XXXX OO
2802 REID A Y 858-459-6180
2805 XXXX OO
2826 ● QUINT Mark OO 4
2827 ● HICKMAN Michael OO 4
2840 STASIK H N 858-459-6931
2851 ● ZINK Thomas OO 7
2852 ● DELGADO Nelson OO 4
2864 ● MOORE Russell D 858-454-5146
2876 ● KIRCHHEIMER Arthur 858-459-2887
2888 ● EDMETT Jonathan 858-456-5990 9
X DESERT VIEW DR
★ 0 BUS 28 RES 1 NEW

PALOMINO CT (99) 92057 OCEANSIDE

WEALTH CODE 6

X DARTMOOR CIR
1782 ● STUDENKA Michael 760-941-1213 9
1783 ● DANA Larry OO 9
1786 ● BARTLEET Ronald OO 9
1787 ● ARNOLD Robert OO 9
1790 ● HUDSON Anthony OO 9
1794 RUPE Ronald J 760-758-7883 3
1795 ● LOPEZ John 760-940-0811⊕ 0
1798 ● EVANS Scott OO 0
1799 ● GOLDSMITH Phyllis OO 0
★ 0 BUS 9 RES 0 NEW

PALOMINO CT 92069 SAN MARCOS

WEALTH CODE 5

728 ● THOMAS Kendene 760-591-3833 0
730 ● UTLEY Donald OO 4
731 ● GUERRA Rosa 760-744-3034 8
738 ● CALDWELL Randale OO 4
744 ● DAGLAS John OO 0
745 ● LOPEZ Ishamel Ish 760-471-6922 4
750 ● BUCHER Stephen OO 0
751 ● COLWELL William OO 8
762 ● STEVANATO Virgil 760-471-6850 0
763 ● WEGAND Joseph OO 0
778 ● ORENCIA Honorio OO 8
779 ● PALECKI Gerald 760-591-9431 0
● PALECKI Gerald S 760-591-9349 0
784 ● SLONIM Karen OO 9
785 ● MOSS Eddie OO 4
796 ● MAXWELL Thomas OO 8
797 ● CLARK Kate 760-744-9136 3
X BORDEN RD
X PALOMINO DR
★ 0 BUS 17 RES 0 NEW

PALOMINO DR 92069 SAN MARCOS

WEALTH CODE 5

X PALOMINO CT
803 ARCINIEGA Adriana 760-798-9746 4
● HERRERA Alberto OO 4
807 ● MIGNELLA Philip 3RD 760-290-3212 0
815 ● COLAK Alev OO 0
X PINTO CT
821 MONTES Guadalupe 760-510-1826 +6
● PEREZ Jesus OO
829 ● GARCIA Abdon 760-736-8963 0
● GARCIA Abdon 760-471-8763 0
833 ● HUNT Chris OO +6
839 ● SYBESMA Jeffrey OO 4
843 ● BROWN Jeff OO 4
★ 0 BUS 11 RES 2 NEW

Certified Sanborn Maps

McClellan-Palomar Airport
2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008

Inquiry Number: 4724566.3
September 12, 2016

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

09/12/16

Site Name:

McClellan-Palomar Airport
2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008
EDR Inquiry # 4724566.3

Client Name:

Ninyo & Moore
5710 Ruffin Rd
San Diego, CA 92123
Contact: Brianne Cortright

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Certification # A41D-4990-AC87

PO # NA

Project 108225001

UNMAPPED PROPERTY

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Property Tax Map Report

McClellan-Palomar Airport
2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008

Inquiry Number: 4724566.6
September 12, 2016

The EDR Property Tax Map Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

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Thank you for your business.
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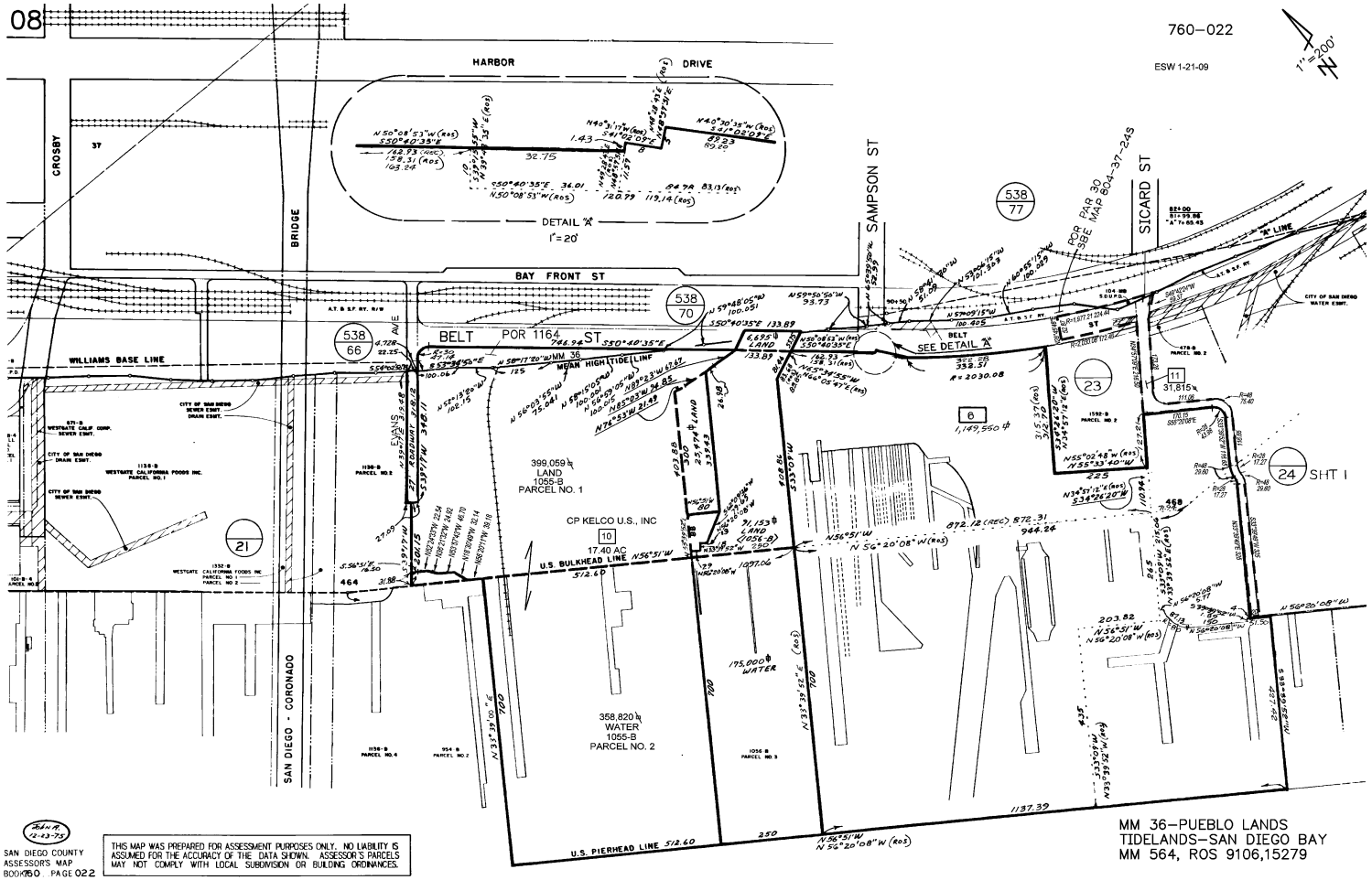
08
760–022
ESW 1-21-09
1"=200'
HARBOR DRIVE
DETAIL "A"
1"=20'
CROSBY
BRIDGE
BAY FRONT ST
SAMPSON ST
SICARD ST
BELT
POR 1164
WILLIAMS BASE LINE
MEAN HIGH TIDE LINE
SEE DETAIL "A"
399,059 ± LAND
1055-B
PARCEL NO. 1
CP KELCO U.S., INC
10
17.40 AC
358,820 ± WATER
1055-B
PARCEL NO. 2
U.S. BULKHEAD LINE
U.S. PIERHEAD LINE
SAN DIEGO - CORONADO
EVANS AVE
MM 36–PUEBLO LANDS
TIDELANDS–SAN DIEGO BAY
MM 564, ROS 9106,15279
SHT 1
SAN DIEGO COUNTY
ASSESSOR'S MAP
BOOK 760 PAGE 022
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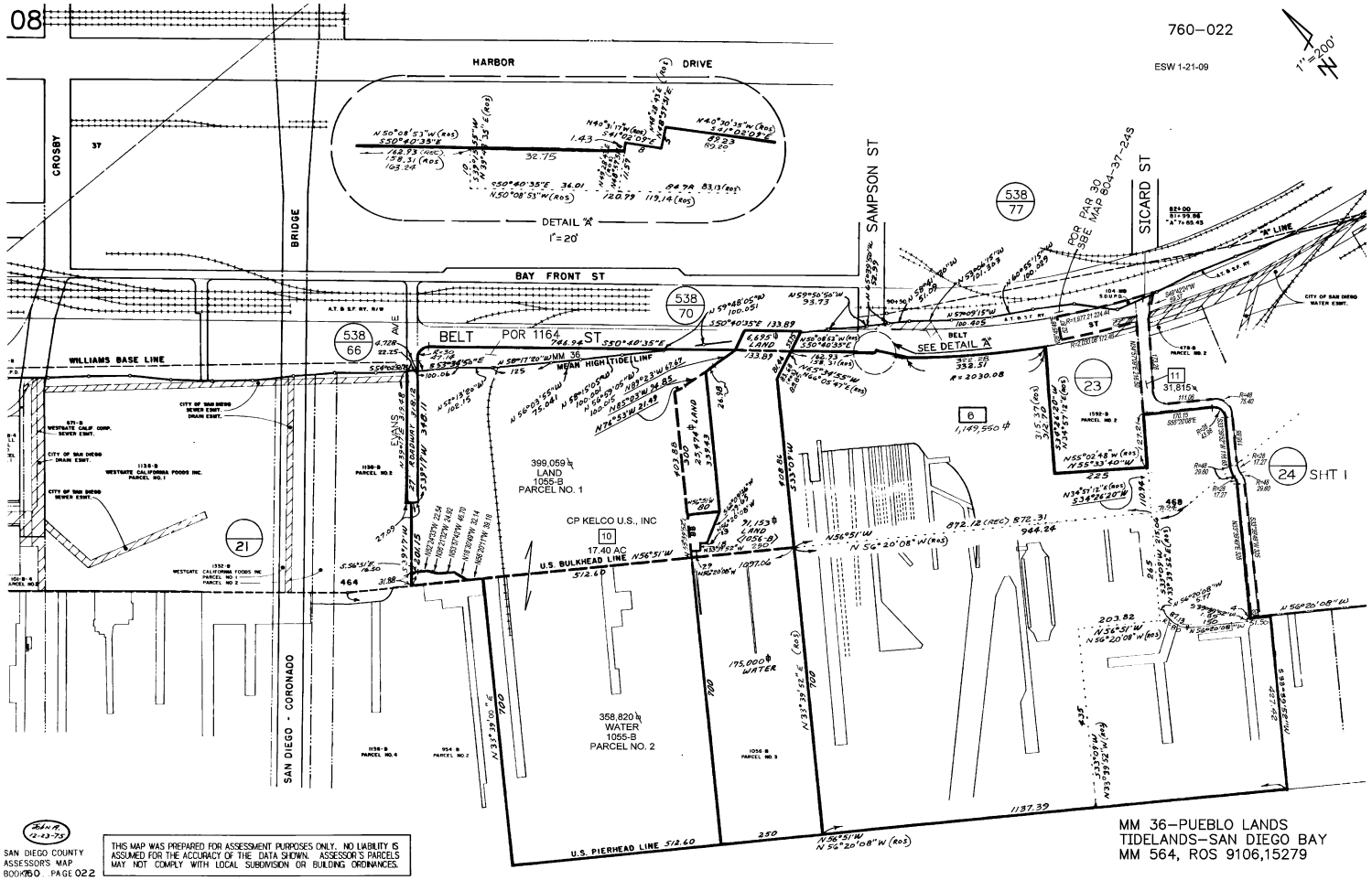
08
760–022
ESW 1-21-09
1"=200'
HARBOR DRIVE
DETAIL "A"
1"=20'
CROSBY
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BAY FRONT ST
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MEAN HIGH TIDE LINE
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EVANS AVE
399,059 ± LAND
1055-B
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10
17.40 AC
358,820 ± WATER
1055-B
PARCEL NO. 2
U.S. BULKHEAD LINE
U.S. PIERHEAD LINE
SAN DIEGO - CORONADO
6
1,149,550 ±
23
11
31,815 ±
24
SHT 1
21
MM 36–PUEBLO LANDS
TIDELANDS–SAN DIEGO BAY
MM 564, ROS 9106,15279
SAN DIEGO COUNTY
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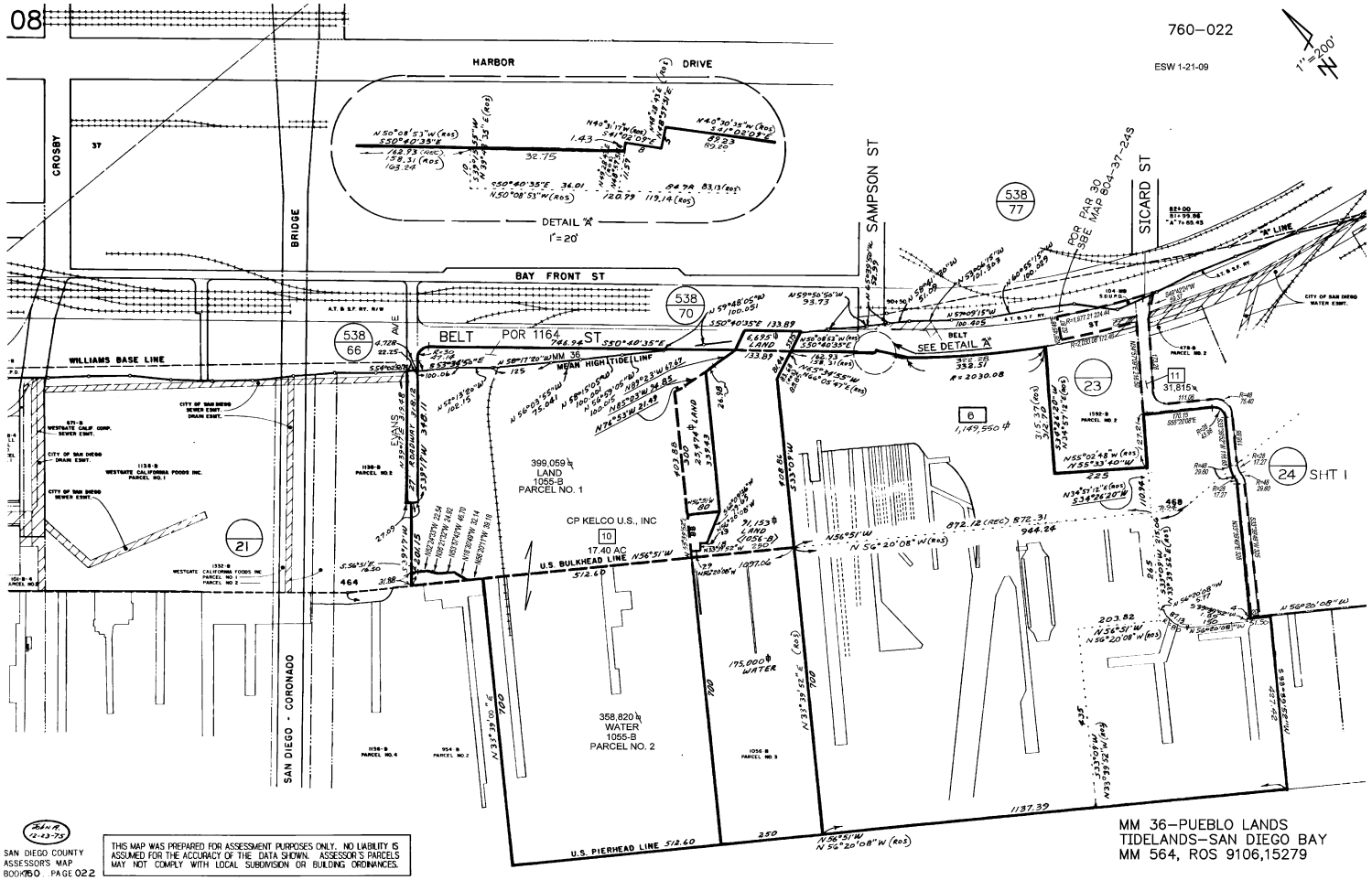
08
760-022
ESW 1-21-09
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HARBOR DRIVE
CROSBY
BRIDGE
BAY FRONT ST
WILLIAMS BASE LINE
BELT ST
POR 1164
MEAN HIGH TIDE LINE
SAMPSON ST
SICARD ST
POR PAR 30 SBE MAP 804-37-24S
"A" LINE
SEE DETAIL "A"
DETAIL "A"
1"=20'
399,059 LAND
1055-B
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CP KELCO U.S., INC
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U.S. BULKHEAD LINE
358,820 WATER
1055-B
PARCEL NO. 2
SAN DIEGO - CORONADO
U.S. PIERHEAD LINE
SHT 1
MM 36-PUEBLO LANDS
TIDELANDS-SAN DIEGO BAY
MM 564, ROS 9106,15279
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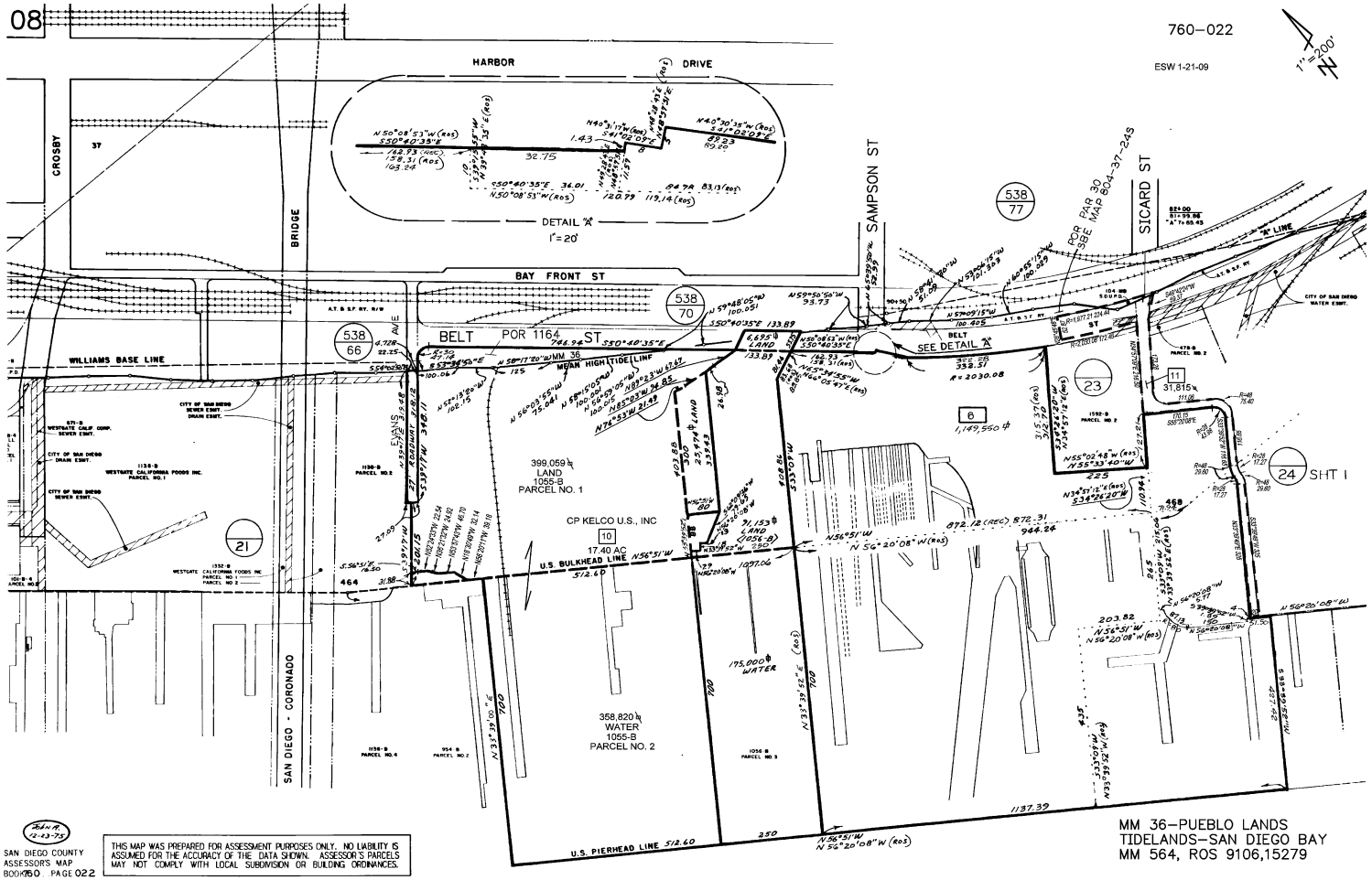
08
760–022
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HARBOR DRIVE
DETAIL "A"
1"=20'
CROSBY
BRIDGE
BAY FRONT ST
SAMPSON ST
SICARD ST
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POR 1164
WILLIAMS BASE LINE
MEAN HIGH TIDE LINE
SEE DETAIL "A"
399,059 ± LAND
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17.40 AC
358,820 ± WATER
1055-B
PARCEL NO. 2
U.S. BULKHEAD LINE
U.S. PIERHEAD LINE
SAN DIEGO - CORONADO
EVANS AVE
MM 36–PUEBLO LANDS
TIDELANDS–SAN DIEGO BAY
MM 564, ROS 9106,15279
SHT 1
THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL SUBDIVISION OR BUILDING ORDINANCES.
SAN DIEGO COUNTY ASSESSOR'S MAP
BOOK 760 PAGE 022

Historical Topographic Maps

McClellan-Palomar Airport
2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008

Inquiry Number: 4724566.4
September 12, 2016

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

09/12/16

Site Name:

McClellan-Palomar Airport
2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008
EDR Inquiry # 4724566.4

Client Name:

Ninyo & Moore
5710 Ruffin Rd
San Diego, CA 92123
Contact: Brianne Cortright

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Ninyo & Moore 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:

P.O.# NA
Project: 108225001

Coordinates:

Latitude:	33.127667 33° 7' 40" North
Longitude:	-117.279004 -117° 16' 44" West
UTM Zone:	Zone 11 North
UTM X Meters:	473974.17
UTM Y Meters:	3665474.90
Elevation:	310.80' above sea level

Maps Provided:

2012	1893
1997	
1975	
1968	
1949	
1948	
1901	
1898	

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Topo Sheet Key

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

2012 Source Sheets



San Luis Rey
2012
7.5-minute, 24000



Encinitas
2012
7.5-minute, 24000

1997 Source Sheets



Encinitas
1997
7.5-minute, 24000
Aerial Photo Revised 1997



San Luis Rey
1997
7.5-minute, 24000
Aerial Photo Revised 1997

1975 Source Sheets



Encinitas
1975
7.5-minute, 24000
Photo Revised 1975
Aerial Photo Revised 1975



San Luis Rey
1975
7.5-minute, 24000
Photo Revised 1975
Aerial Photo Revised 1975

1968 Source Sheets



Encinitas
1968
7.5-minute, 24000
Aerial Photo Revised 1967



San Luis Rey
1968
7.5-minute, 24000
Aerial Photo Revised 1967

Topo Sheet Key

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

1949 Source Sheets



San Luis Rey
1949
7.5-minute, 24000
Aerial Photo Revised 1946



Encinitas
1949
7.5-minute, 24000
Aerial Photo Revised 1947

1948 Source Sheets



San Luis Rey
1948
7.5-minute, 24000
Aerial Photo Revised 1946



Encinitas
1948
7.5-minute, 24000
Aerial Photo Revised 1947

1901 Source Sheets



Oceanside
1901
15-minute, 62500

1898 Source Sheets



Oceanside
1898
15-minute, 62500

Topo Sheet Key

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

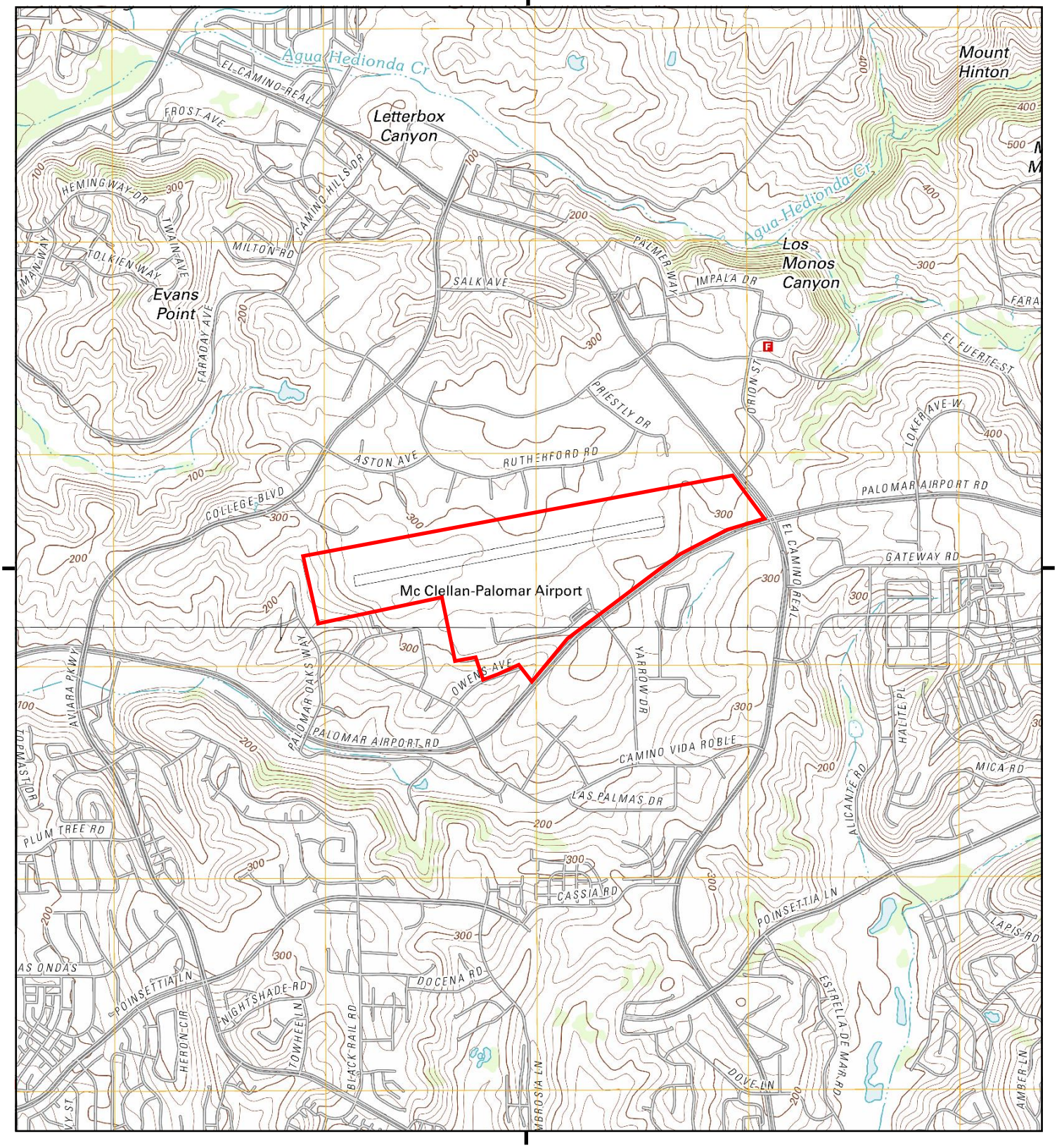
1893 Source Sheets



Oceanside
1893
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

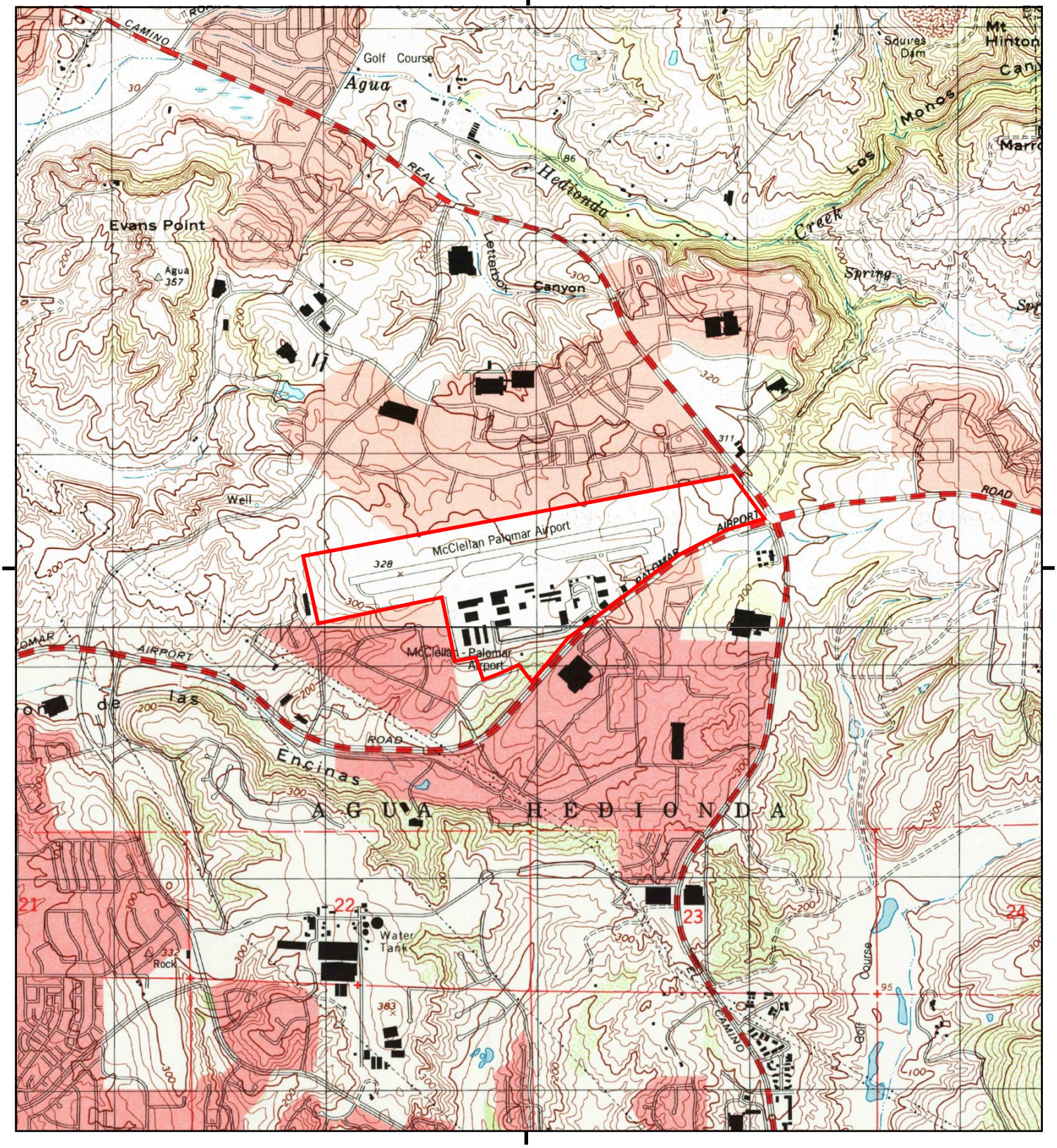
TP, San Luis Rey, 2012, 7.5-minute
SW, Encinitas, 2012, 7.5-minute

SITE NAME: McClellan-Palomar Airport
ADDRESS: 2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008
CLIENT: Ninyo & Moore

N

Historical Topo Map

1997



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

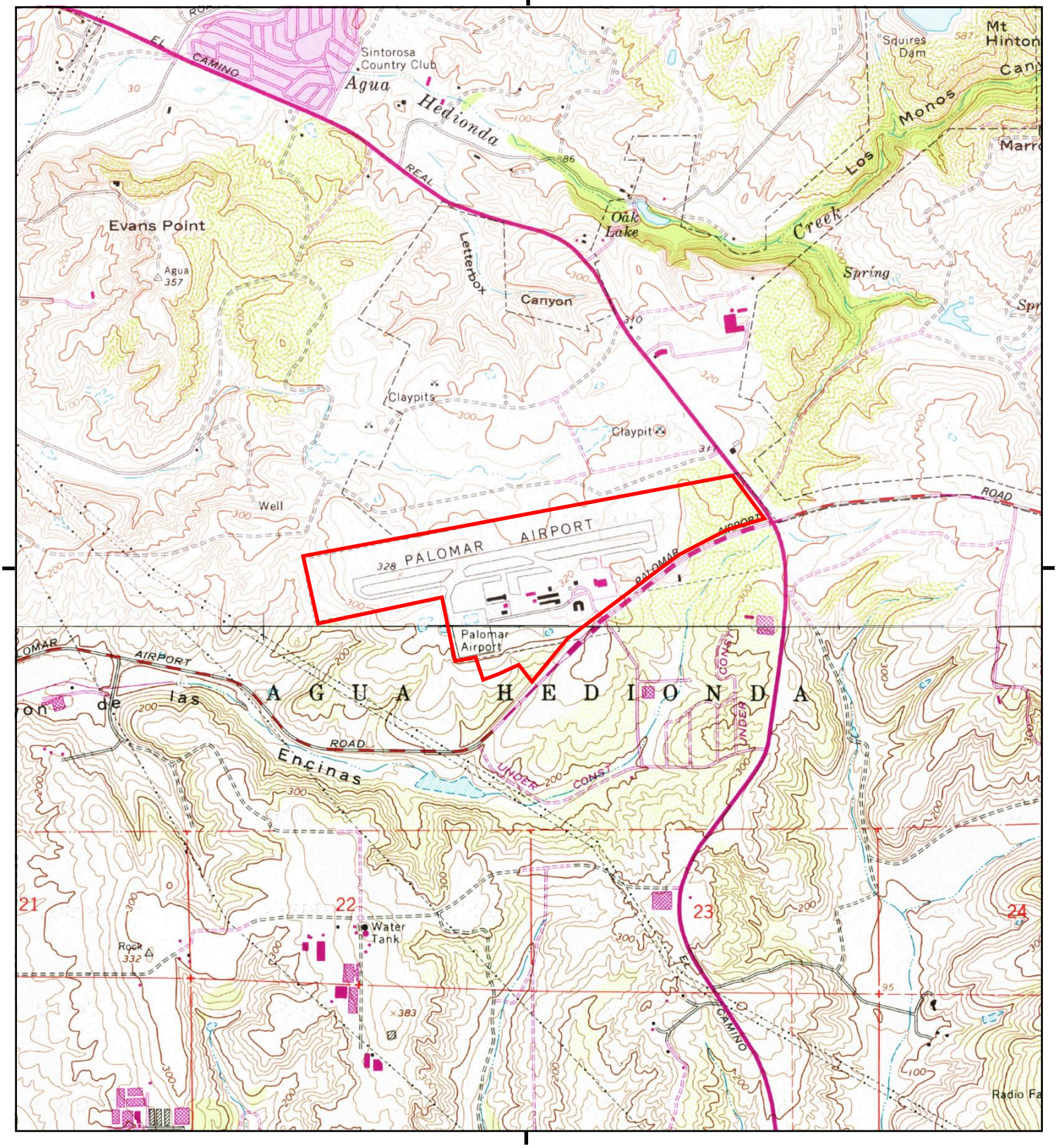
TP, San Luis Rey, 1997, 7.5-minute
SW, Encinitas, 1997, 7.5-minute

SITE NAME: McClellan-Palomar Airport
ADDRESS: 2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008
CLIENT: Ninyo & Moore

N

Historical Topo Map

1975



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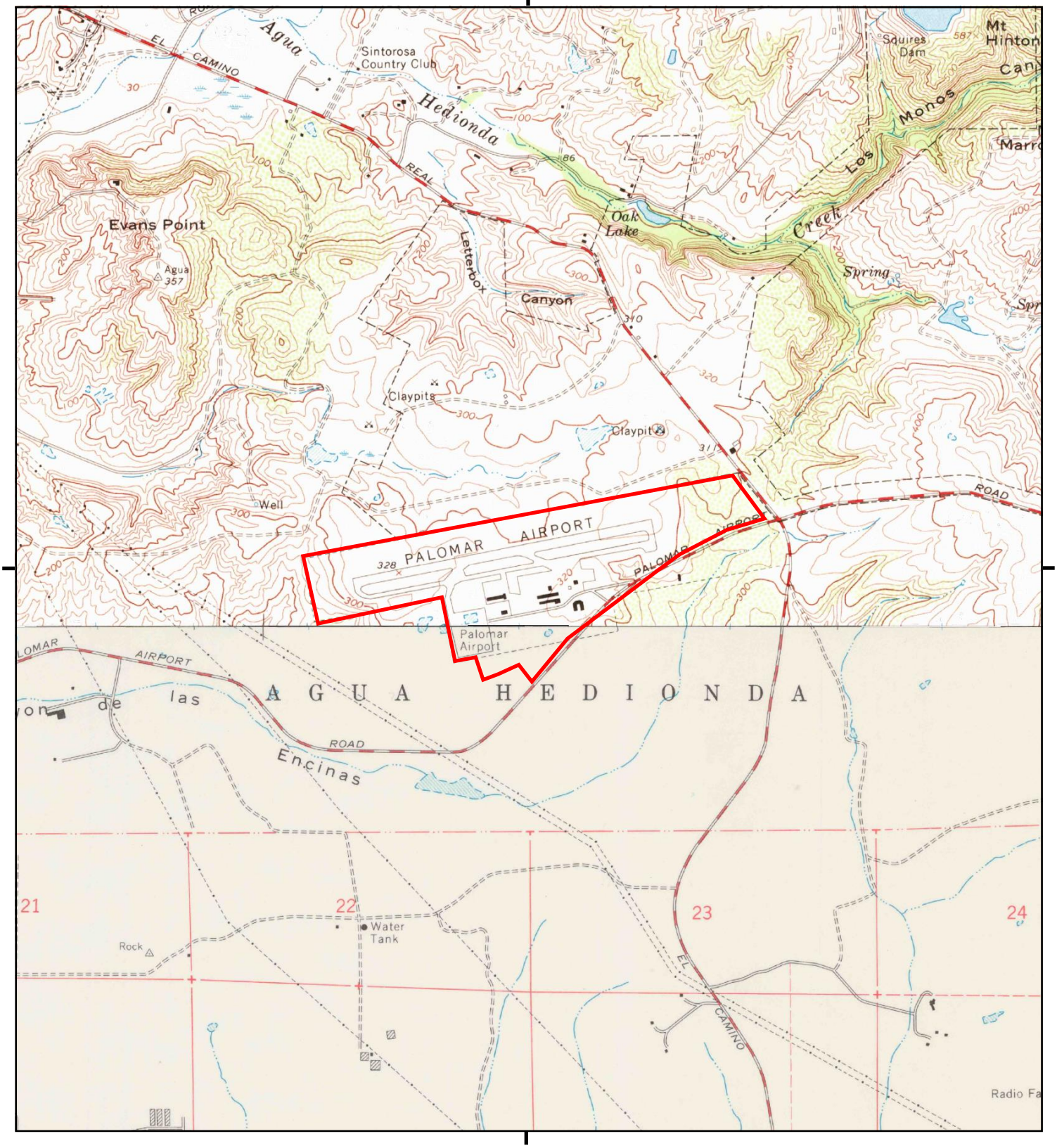
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Luis Rey, 1975, 7.5-minute
SW, Encinitas, 1975, 7.5-minute

SITE NAME: McClellan-Palomar Airport
ADDRESS: 2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008
CLIENT: Ninyo & Moore

N



This report includes information from the following map sheet(s).

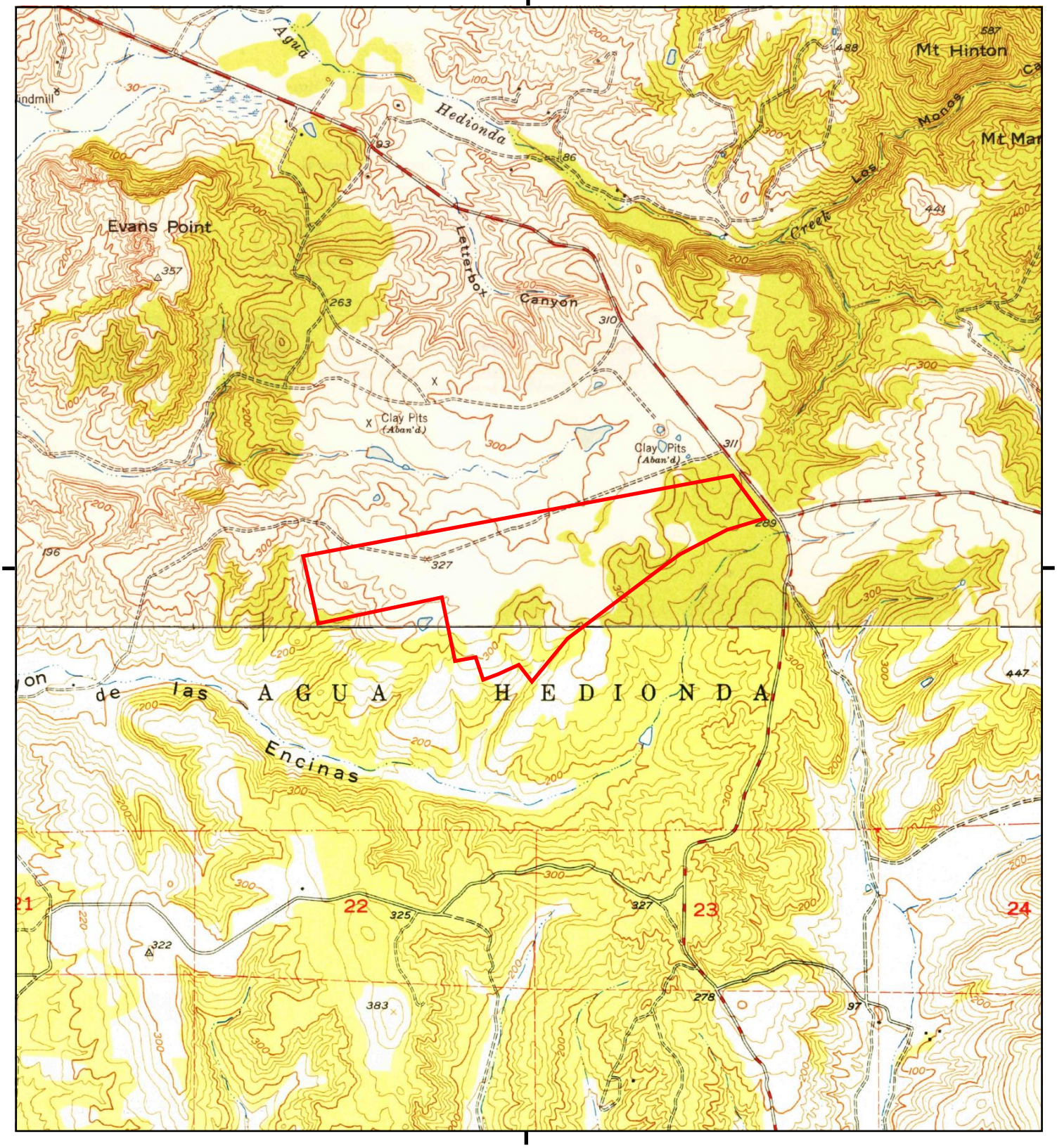
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Luis Rey, 1968, 7.5-minute
SW, Encinitas, 1968, 7.5-minute

SITE NAME: McClellan-Palomar Airport
ADDRESS: 2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008
CLIENT: Ninyo & Moore

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

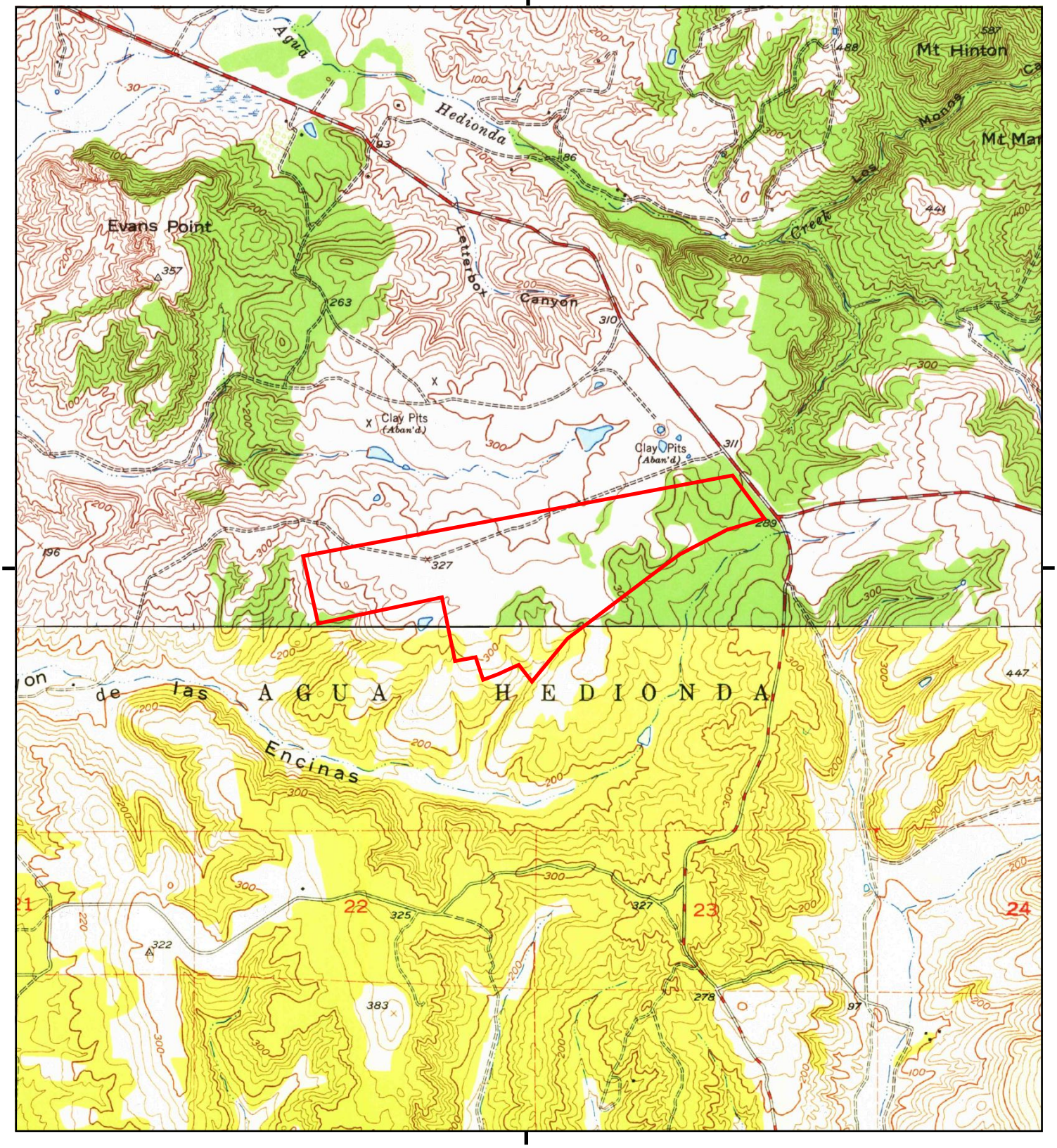
TP, San Luis Rey, 1949, 7.5-minute
SW, Encinitas, 1949, 7.5-minute

SITE NAME: McClellan-Palomar Airport
ADDRESS: 2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008
CLIENT: Ninyo & Moore

N

Historical Topo Map

1948



This report includes information from the following map sheet(s).

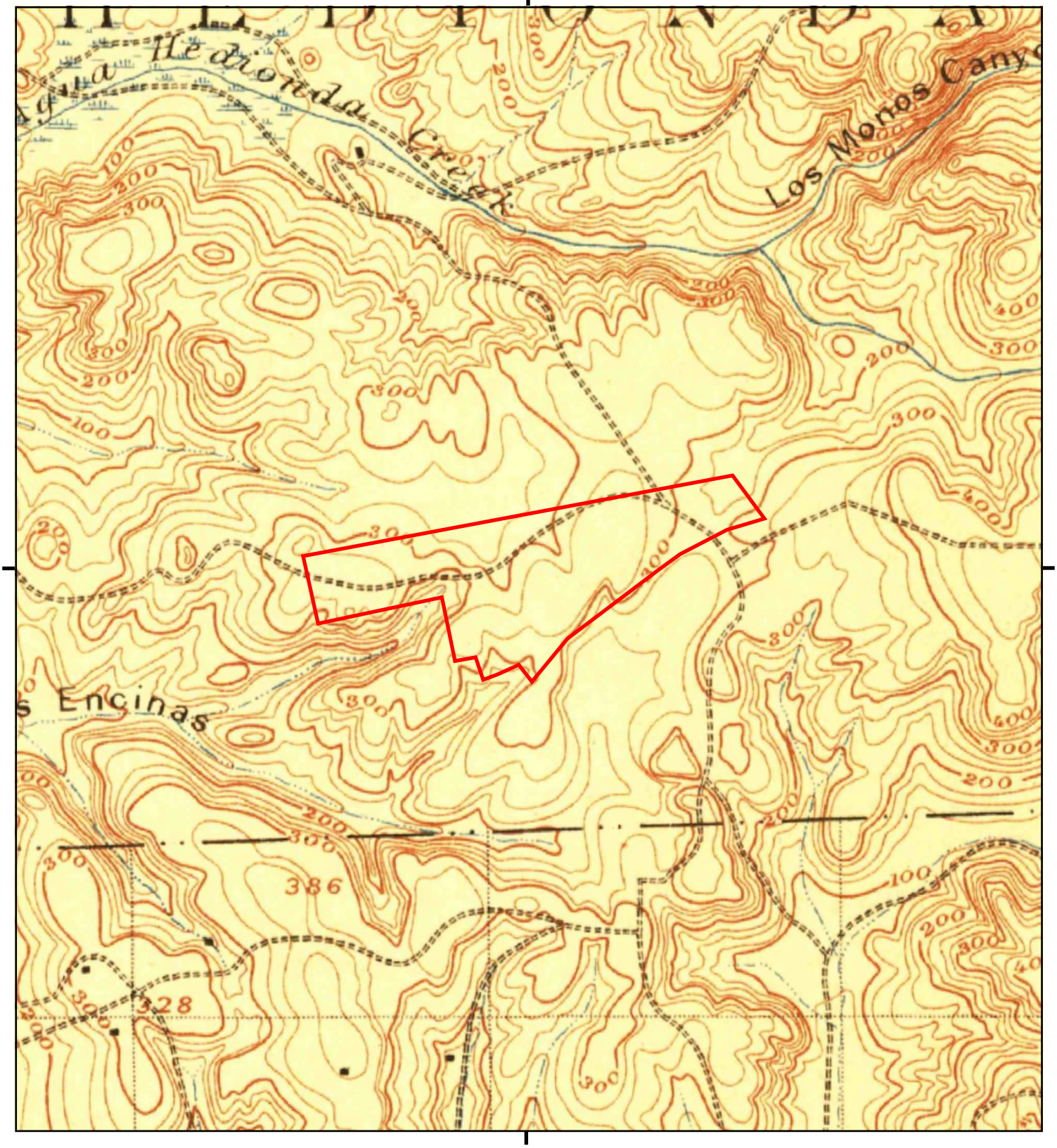
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Luis Rey, 1948, 7.5-minute
SW, Encinitas, 1948, 7.5-minute

SITE NAME: McClellan-Palomar Airport
ADDRESS: 2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008
CLIENT: Ninyo & Moore

N



This report includes information from the following map sheet(s).

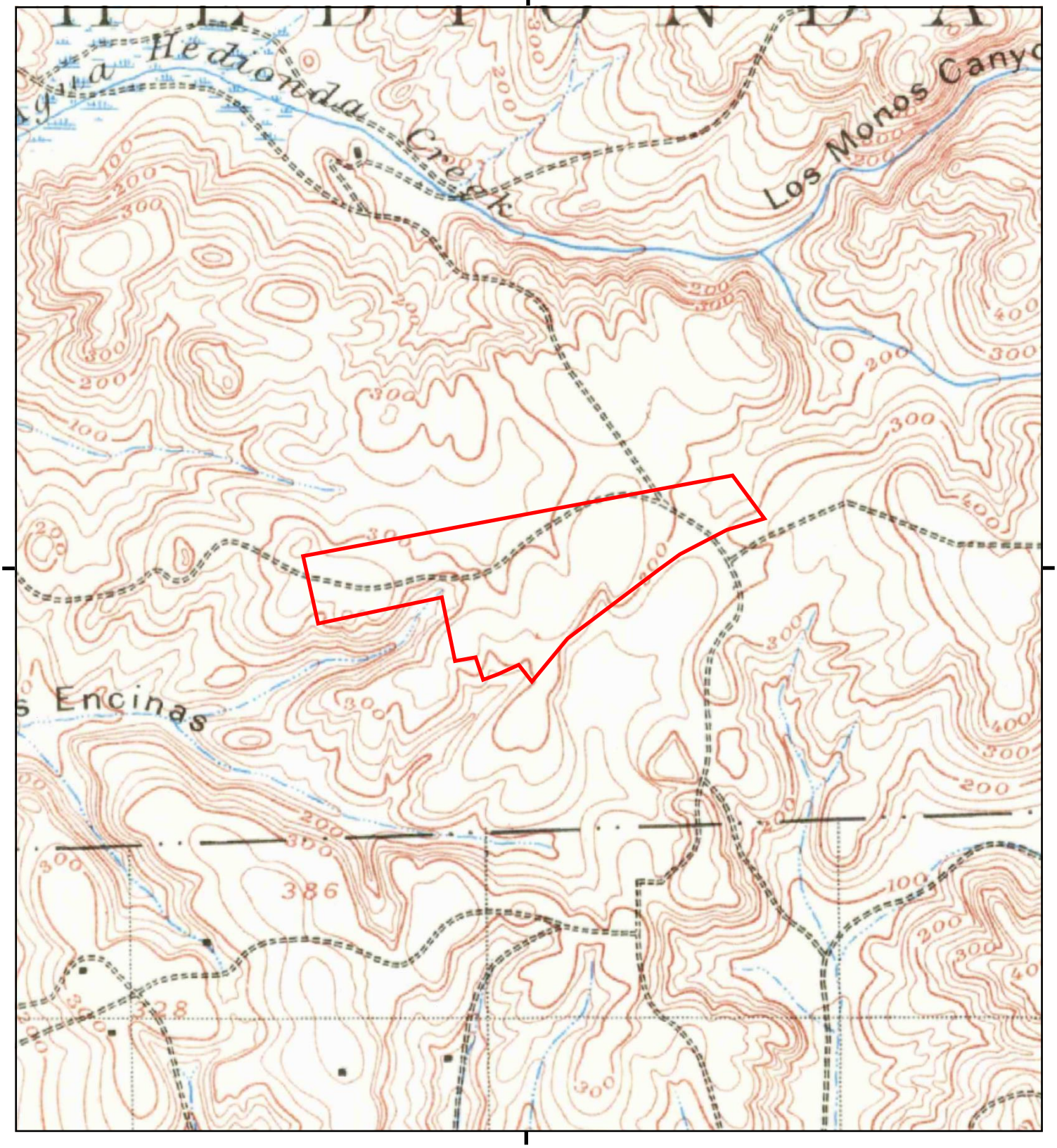
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Oceanside, 1901, 15-minute

SITE NAME: McClellan-Palomar Airport
ADDRESS: 2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008
CLIENT: Ninyo & Moore

N



This report includes information from the following map sheet(s).

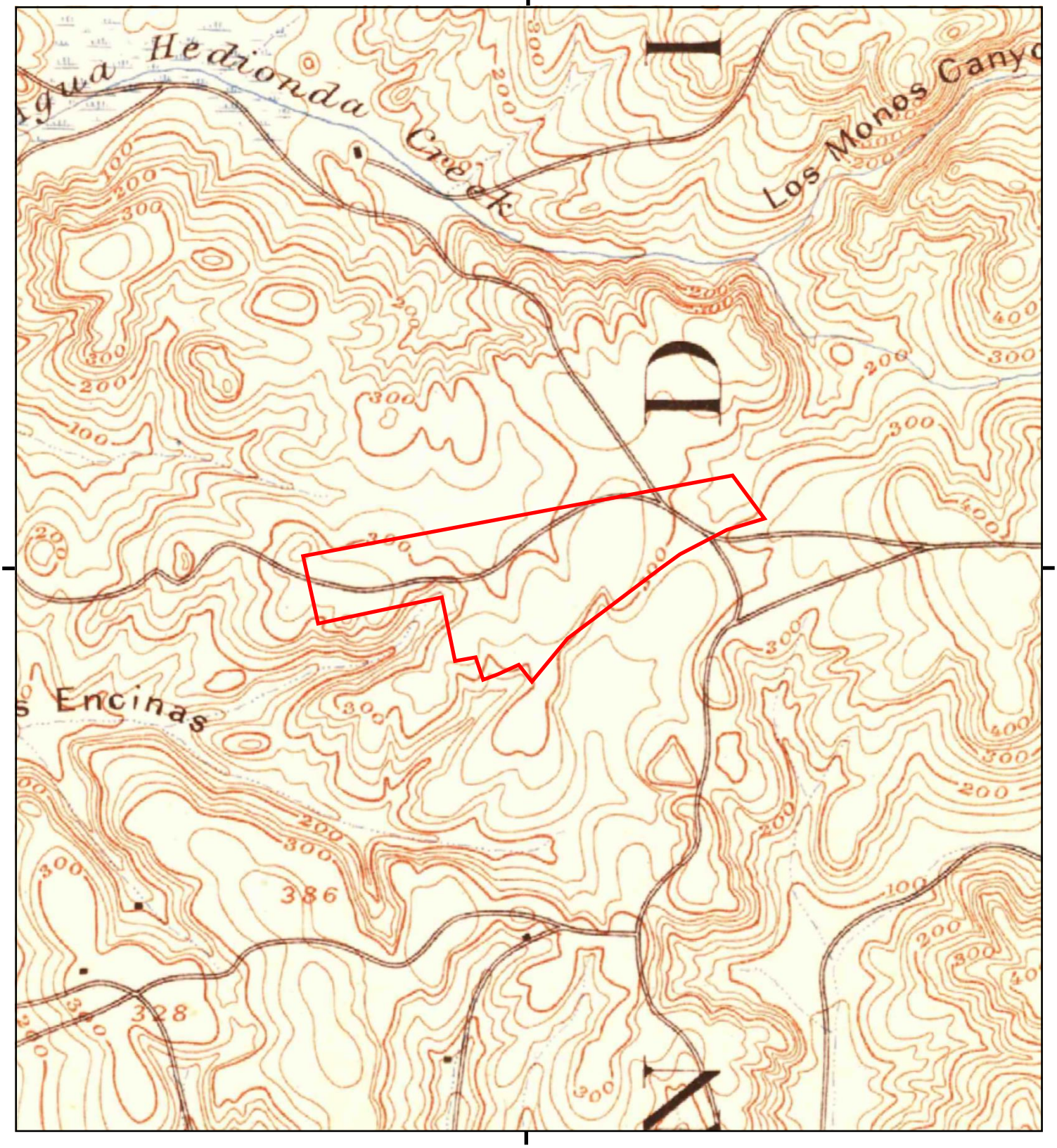
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Oceanside, 1898, 15-minute

SITE NAME: McClellan-Palomar Airport
ADDRESS: 2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008
CLIENT: Ninyo & Moore

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Oceanside, 1893, 15-minute

SITE NAME: McClellan-Palomar Airport
ADDRESS: 2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008
CLIENT: Ninyo & Moore

N

Building Permit Report

McClellan-Palomar Airport
2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008

Inquiry Number: 4724566.8
September 12, 2016

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

About This Report

Executive Summary

Findings

Glossary

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

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILDFAX® PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Ninyo & Moore on Sep 12, 2016.

TARGET PROPERTY

2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

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

Carlsbad

Year	*Source*	*TP*	*Adjoining*
2016	City of Carlsbad, Building Department		
2015	City of Carlsbad, Building Department		
2014	City of Carlsbad, Building Department		
2013	City of Carlsbad, Building Department		X
	City of Carlsbad, Building Department	X	
2012	City of Carlsbad, Building Department		X
2011	City of Carlsbad, Building Department		

San Diego County

Year	*Source*	*TP*	*Adjoining*
2015	San Diego County, Development Services		
2014	San Diego County, Development Services		
2013	San Diego County, Development Services		
2012	San Diego County, Development Services		
2011	San Diego County, Development Services		
2010	San Diego County, Development Services		
2009	San Diego County, Development Services		
2008	San Diego County, Development Services		
2007	San Diego County, Development Services		
2006	San Diego County, Development Services		
2005	San Diego County, Development Services		
2004	San Diego County, Development Services		
2003	San Diego County, Development Services		X
2002	San Diego County, Development Services		
2001	San Diego County, Development Services		
2000	San Diego County, Development Services		
1999	San Diego County, Development Services		
1998	San Diego County, Development Services		

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

Year	Source	TP	Adjoining
1997	San Diego County, Development Services		
1996	San Diego County, Development Services		
1995	San Diego County, Development Services		
1994	San Diego County, Development Services		
1993	San Diego County, Development Services		
1992	San Diego County, Development Services		
1991	San Diego County, Development Services		
1990	San Diego County, Development Services		
1989	San Diego County, Development Services		
1988	San Diego County, Development Services		
1987	San Diego County, Development Services		

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Carlsbad
Years: 2011-2016
Source: City of Carlsbad, Building Department, CARLSBAD, CA
Phone: (760) 602-2700

Name: San Diego County
Years: 1987-2015
Source: San Diego County, Development Services, CARLSBAD, CA
Phone: (619) 446-5000

Name: Oceanside
Years: 1990-2016
Source: City of Oceanside, Development Services, ENCINITAS, CA
Phone: (760) 435-3950

Name: Redding
Years: 1987-2016
Source: City of Redding, Development Services, Building Division, LAKESIDE, CA
Phone: 530-225-4014

Name: San Bernardino County
Years: 2002-2016
Source: San Bernardino County, Land Use, Building & Safety, FONTANA, CA
Phone: (909) 387-8311

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

2501 PALOMAR AIRPORT RD
Carlsbad, CA 92008

2501 PALOMAR AIRPORT RD

Date:	**5/21/2013**
Permit Type:	**SIGN**
Description:	**CALIFORNIA BANK & TRUST- 4 NEW**
Permit Description:	**SIGN**
Work Class:	
Proposed Use:	
Permit Number:	CB131288
Status:	
Valuation:	$14,000.00
Contractor Company:	
Contractor Name:	

Date:	**3/6/2013**
Permit Type:	**PCR**
Description:	
Permit Description:	**Plan Check Revision**
Work Class:	
Proposed Use:	
Permit Number:	PCR13016
Status:	
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

TARGET PROPERTY FINDINGS

Date:	**1/16/2013**
Permit Type:	**Commercial/Industrial - COMM, COMMIND**
Description:	**ENCLOSURE, CALIFORNIA BANK & TRUST- NEW**
Permit Description:	**Commercial/Industrial**
Work Class:	Commercial
Proposed Use:	
Permit Number:	CB120159
Status:	PENDING
Valuation:	
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

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

EL CAMINO REAL

6010 EL CAMINO REAL

Date:	**9/20/2005**
Permit Type:	**Electrical Permit -**
Description:	**CARLSBAD CORP CENTER- TEMP POWER POLE**
Permit Description:	
Work Class:	
Proposed Use:	
Permit Number:	CB053293
Status:	FINAL
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

PALOMAR AIRPORT RD

2481 PALOMAR AIRPORT RD

Date:	**4/29/2013**
Permit Type:	**SIGN**
Description:	
Permit Description:	**SIGN**
Work Class:	
Proposed Use:	
Permit Number:	CB131084
Status:	
Valuation:	$25,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **3/27/2013**
Permit Type: **PME**
Description: **PALOMAR COMMONS - TEMP POWER**

Permit Description: **Plumb/Mech/Elect Permit**
Work Class:
Proposed Use:
Permit Number: CB130814
Status:
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **12/26/2012**
Permit Type: **PME**
Description: **PALOMAR COMMONS**

Permit Description: **Plumb/Mech/Elect Permit**
Work Class:
Proposed Use:
Permit Number: CB122753
Status:
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **9/25/2003**
Permit Type: **3950**
Description: **NORTH COUNTY ANIMAL SHELTER**
North County Animal Shelter DPLU Analyst: MHAMILPL

Permit Description: **HABITAT LOSS PERMIT**
Work Class: Habitat Loss Permit
Proposed Use:
Permit Number: PDS2003-3950-03-011
Status: Approved
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**9/16/2003**
Permit Type:	**1017**
Description:	**Log In** **Office:KM Cross street:EL CAMINO REAL Description of Work:25,500 SF ADDN TO EXISTING COUNTY ANIMAL SHELTER, TO INCLUDE: 10,000 SF OF OFFICE/ ADMIN, 5,500 SF OF HOSPITAL AND 10,000 SF OF STORAGE/LOCKER ROOMS/KENNELS. MISC ELECT. PLUMB, AND MECH. DGS TO SET UP CASH TRANSFER WITH ANA S. PRIOR TO COMENCEMENT OF PLAN CHECK. ONCE PLAN CHECK HAS BEGUN, N/C EXPEDITE ...CAG 1/15/04: PACKET COULD NOT BE FOUND APPLICATION IN TECH BOX. 1SRS**
Permit Description:	**PLAN CHECK-COMMERCIAL**
Work Class:	New Primary Commercial Structure
Proposed Use:	
Permit Number:	PDS2003-1017-20030213
Status:	PC Expired
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**12/23/1999**
Permit Type:	**Electrical Permit -**
Description:	**SD COUNTY ANIMAL SHELTER UPGRADE ELEC SERVICE 200-400 AMP**
Permit Description:	
Work Class:	
Proposed Use:	
Permit Number:	CB994721
Status:	FINAL
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **2/26/1996**
Permit Type: **MISCELLANEOUS -**
Description: **432 SF STEEL SHED,ON CONC SLAB BUILT TO MANUF SPECS-SD COUNTY ANIMAL CT**

Permit Description:
Work Class:
Proposed Use:
Permit Number: CB960310
Status: EXPIRED
Valuation: $0.00
Contractor Company:
Contractor Name:

2489 PALOMAR AIRPORT RD

Date: **11/18/1998**
Permit Type: **ELECTRICAL -**
Description: **TEMP. POWER POLE FOR WIDENING OF PALOMAR AIRPORT RD**

Permit Description:
Work Class:
Proposed Use:
Permit Number: CB983980
Status: FINAL
Valuation: $0.00
Contractor Company:
Contractor Name:

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use(s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

APPENDIX F

VAPOR ENCROACHMENT SCREENING MATRIX

Phase I ESA Vapor Encroachment Conditions (VEC) matrix includes a (1) Search Radius Test, (2) Chemicals of Concern Test (COC), and (3) a Critical Distance Test [1].

(1) Search Radius Test: Are there any known or suspect contaminated properties in the primary area of concern within the corresponding search radii?

☒ Yes ☐ No — If ***No***, then screening for a VEC is complete and no VEC *currently* exists, go to #4. If ***Yes***, then:

(2) Chemicals of Concern Test: Are COC likely to be present within the area of concern for those known or suspect contaminated sites identified based on the Search Distance Test?

☐ Yes ☐ No — If ***No***, then screening for a VEC is complete and no VEC *currently* exists, go to #4. If ***Yes***, then:

(3) Critical Distance Test: A plume test to determine whether or not COC in the contaminated plume(s) may be within the critical distance.

☐ Yes ☐ No — (3a) Is information related to the contaminated(s) plume available (i.e. iso-concentration maps, site drawings, etc.)?
(3b) If ***No***, then a VEC cannot be ruled out; check ***Yes*** in #4 below indicating it is likely a VEC exists. If ***Yes***, then:

☐ Yes ☐ No — (3c) Is the site less than 100 feet to the nearest edge of a contaminated [non-petroleum hydrocarbon] plume(s)? If ***Yes***, then check ***Yes*** in #4 below indicating it is likely a VEC exists.

☐ Yes ☐ No — (3d) Is the site less than 30 feet to the nearest edge of a dissolved petroleum hydrocarbon plume(s)? If ***Yes***, then check ***Yes*** in #4 below indicating it is likely a VEC exists.

If the distance from the nearest edge of a contaminated plume to the nearest existing or planned structure on the site is less than 100 feet for non-petroleum hydrocarbon COC, or less than 30 feet for dissolved petroleum hydrocarbons, then it is presumed that a VEC *currently* exists beneath the site. If the distance from the nearest edge of the contaminated plume is greater than or equal to 100 feet for non-petroleum hydrocarbons, or 30 feet for dissolved petroleum hydrocarbon chemicals of concern, then it is presumed unlikely that a VEC *currently* exists beneath the site.

(4) Is it likely that a VEC *currently* exists beneath the site?

☒ Yes ☐ No — If ***No***, then the VEC screening is complete and no further investigation is recommended at this time. If ***Yes***, Ninyo & Moore recommends performing additional assessment, such as a Tier 2 VEC assessment according to ASTM E 2600-10.

[1] Based on guidance presented in the ASTM E 2600-10 Standard.

APPENDIX G

QUALIFICATIONS OF THE ENVIRONMENTAL PROFESSIONALS

BRIANNE CORTRIGHT

SENIOR STAFF ENVIRONMENTAL GEOLOGIST

EDUCATION

B.S., Geology, 2011, San Diego State University

REGISTRATIONS AND CERTIFICATIONS

40-Hour OSHA HAZWOPER Certification

First Aid/CPR Certification

Transportation Worker Identification Credential

EXPERIENCE HIGHLIGHTS

Phase I ESAs, Southern California

Tesoro Golden Eagle Refinery, Groundwater sampling

Gas Stations, Site Assessment

PROFESSIONAL AFFILIATIONS

San Diego Association of Geologists

Ms. Cortright is a Senior Staff Environmental Geologist with Ninyo & Moore's San Diego office. She conducts data acquisition, documentation, and dissemination of data related to all phases of environmental assessments; coordinates and observes subsurface drilling activities; conducts investigations of subsurface contamination, including mapping, and logging of exploratory borings; creates representational drafted boring logs; prepares correspondence, permit requests, and reports; interfaces with regulatory agencies; and conducts groundwater and soil vapor monitoring utilizing a variety of methods.

REPRESENTATIVE PROJECT EXPERIENCE

Phase I Environmental Site Assessments, Multiple Clients, Southern California: Staff Environmental Geologist and author of Phase I ESAs for multiple locations in Southern California in accordance with ASTM/AAI standards. Conducts site reconnaissance, evaluates the long-term history of commercial and industrial tenants in light of the proposed redevelopment activities at the sites, researches former site uses, and prepares Phase I ESA reports with recommendations for further assessment.

Gasoline Service Stations, Multiple Clients, Southern California: Staff Geologist for the assessment of gasoline service stations for several major oil companies. Supervised the drilling of groundwater monitoring and remediation wells, borehole clearance, geophysical surveys, land surveys, and well pump tests to delineate the lateral and vertical extent of impacted soil and groundwater. Prepared work plans, site assessment reports, corrective action plans, and groundwater monitoring reports.

Tesoro Golden Eagle Refinery, Martinez, California: Staff Geologist for the performance of groundwater monitoring and sampling of over 400 wells covering over 2,000 acres using low flow sampling techniques. Compiled and organized groundwater data for client to be analyzed and used in reports. Adhered to very specific safety protocol.

County of San Diego, San Diego, California: Staff Environmental Geologist for environmental assessment of multiple locations within San Diego County. Prepared client correspondence and project coordination regarding field activities. Conducted field activities including; groundwater sampling using various methods, soil vapor sampling, and well construction, field boring logs and safety oversight during drilling activities. Report preparation, laboratory data compilation and interpretation.

Metropolitan Transit System, 13th Street Light Rail Vehicle Maintenance Facility San Diego, California: Staff Environmental Geologist for the implementation of the facility's Storm Water Pollution Prevention Plan (SWPPP). The project included wet and dry season monitoring, sampling, an annual inspection for the comprehensive site compliance evaluation for potential pollutant sources, and reporting to comply with the facility's Regional Water Quality Control Board industrial storm water permit requirements.

Vought Torrance (K-6) Soil Gas Investigation and Risk Evaluation, Northrop Grumman, Torrance, California: Conducted field services for this site, which is an aircraft manufacturing facility with two areas of concern (AOCs) with potential elevated VOCs including well construction, field boring logs, safety oversight during drilling activities, and collection of soil gas samples.

ADRIAN OLIVARES

SENIOR PROJECT ENVIRONMENTAL SCIENTIST

EDUCATION

M.P.H., Environmental Health Concentration, 2016, San Diego State University

B.S., Environmental Studies, 2002, University of California Santa Barbara

REGISTRATIONS AND CERTIFICATIONS

40-Hour OSHA HAZWOPER Certification (with annual updates)

CPR / First Aid Certification

EXPERIENCE HIGHLIGHTS

City of San Diego, As-Needed Environmental Services Site Assessment and Mitigation Process Contract

City of San Diego, As-Needed Environmental Consultant Services for Brownfield Assessment Project

County of San Diego, Cedar and Kettner Development Project

Cajon Valley Union School District, Magnolia Elementary School

PROFESSIONAL AFFILIATIONS

San Diego Association of Environmental Professionals

As a Senior Project Environmental Scientist for Ninyo & Moore, Mr. Olivares manages and conducts Phase I and Phase II Environmental Site Assessments (ESAs), underground storage tank unauthorized release case investigations, human health risk assessments, indoor air quality studies, Caltrans Initial Site Assessments (ISAs), and California Environmental Quality Act (CEQA) hazardous materials technical studies (HMTS) for Environmental Impact Reports (EIRs). Mr. Olivares performs all phases of environmental investigations, coordinates and observes subsurface drilling activities, conducts investigations of subsurface contamination and logging of exploratory borings, conducts groundwater monitoring utilizing a variety of methods, authors reports, and interfaces with regulatory agencies.

REPRESENTATIVE PROJECT EXPERIENCE

City of San Diego, As-Needed Environmental Services Site Assessment and Mitigation Process Contract, San Diego, California: Project Manager for two, five-year contracts awarded to Ninyo & Moore, which includes conducting environmental site assessments at contaminated, City-owned properties throughout the County of San Diego. Scope of services include: work plan and health and safety plan preparation, field investigations (drill, sample, analytical testing), remediation, human health risk assessments, groundwater monitoring and sampling, and report preparation including corrective action plans and site conceptual models. The purpose of the contract is to assist the City of San Diego in obtaining regulatory agency closure of its properties that have been affected by unauthorized releases from underground storage tanks (USTs).

City of San Diego, Successor Agency to the Redevelopment Agency, As-Needed Environmental Consulting Services, Brownfields Assessment Project, San Diego, California: Project Manager for this three year contract awarded to Ninyo & Moore, which includes conducting Phase I and II ESAs at various brownfield sites within redevelopment areas of City Heights, Central Imperial, and Southeastern San Diego. Work was performed as part of a United States Environmental Protection Agency (USEPA) community-wide grant program. Ninyo & Moore's scope of services included developing a program-level Quality Assurance Project Plan (QAPP) and site-specific, Phase I ESAs, Field Sampling Plans, Phase II ESAs, human health risk assessments, and participating in community outreach efforts. The contract also includes preparation of remedial plans and estimates. The purpose of the contract is to assist the City and other stake holders with assessment of brownfield sites to support redevelopment efforts in the community.

County of San Diego, Cedar and Kettner Development Project, San Diego, California: Project Manager for the Cedar and Kettner Development Project, which was performed as part of a five-year contract awarded to Ninyo & Moore by the County of San Diego DGS. The site was historically occupied by Hercules Oil Refining Company and an automotive repair facility. Scope of services included: pre-characterization of soil; preparation of a Soil and Groundwater Management Plan (SGMP), Community and Contractor Health and Safety Plans; and construction field support involving implementation of the SGMP, community monitoring, and worker monitoring.

Cajon Valley Union School District, Magnolia Elementary School, El Cajon, California: Project Manager performed an indoor air quality (IAQ) study, soil vapor survey, and human health risk assessment at Magnolia Elementary School located in El Cajon, California. The project was initiated in response to concerns that indoor air may be impacted with chlorinated hydrocarbons as a result of groundwater contaminants from an adjacent aerospace/electronics facility migrating into the school buildings via the vapor intrusion pathway. The Department of Toxic Substances Control (DTSC) provided regulatory oversight.

REPRESENTATIVE PROJECT EXPERIENCE (continued)

City of Chula Vista, Sweetwater Union High School District Property, Chula Vista, California: Project Manager for this Phase II ESA project, which was performed as part of a USEPA community-wide grant program. Ninyo & Moore's scope of services included: preparation of a sampling and analysis plan; collection of soil and soil vapor samples to evaluate contaminants associated with underground storage tanks (USTs) and fueling areas, maintenance areas, and a paint shop; and preparation of a Phase II ESA report. The purpose of the project was to assist the City and District with the assessment of a brownfield site to support redevelopment efforts.

Miramar Pipeline Relocation, 17 Miles from Naval Base Point Loma to Marine Corps Air Station Miramar, San Diego, California: Project Environmental Scientist for an environmental assessment related to the relocation of portions of an existing 17-mile fuel pipeline. Ninyo & Moore's scope included: 1) preparation of an HMTS to document potential releases of hazardous materials or wastes from historical activities along the project alignment; 2) preparation of an SGMP to assist the contractor in the excavation, notification, monitoring, segregation, characterization, handling, and reuse and/or disposal of waste that may be encountered during earthwork activities; and 3) soil sampling and analytical testing to provide a screening evaluation of the environmental condition of existing soils along the proposed alignment.

City of San Diego, Southeastern San Diego Community Plan Update, San Diego, California: Project Manager for the preparation of an HMTS for the comprehensive update of the Southeastern San Diego Community Plan. The purpose of the HMTS was to document the presence of properties, which may have been impacted by hazardous materials or wastes, and to document the significance of impacts from the project area with respect to CEQA, and to discuss measures that can be implemented to reduce or mitigate the potential impacts.

Otay Truck Route, San Diego, California: Project Manager prepared an ISA for the Otay Truck Route Improvement Project in San Diego County, California. The area evaluated for this ISA was generally bounded by Siempre Viva Road to the north, Customhouse Court to the east, the international border to the south, and Britannia Boulevard to the west in the community of Otay Mesa. The purpose of the project was to provide the construction of additional travel lanes to the existing truck route for truck traffic entering the Otay Mesa Border Crossing Port of Entry and to provide a travel lane for Border Patrol and emergency vehicles. The ISA involved evaluation of properties within the boundaries of the project area and off-site properties, which have the potential to negatively impact the project area.

Metropolitan Transit System, 13th Street Light Rail Vehicle Maintenance Facility and Newton Avenue Taxi Inspection Facility San Diego, California: Project Manager for the implementation of the facility's Storm Water Pollution Prevention Plan (SWPPP). The project included monthly inspections, sampling, an annual inspection for the comprehensive site compliance evaluation for potential pollutant sources, and reporting to comply with the facility's Regional Water Quality Control Board industrial storm water permit requirements.

NCTD Sorrento Valley Double Track Project, ISA, San Diego, California: Project Environmental Scientist for an ISA for the Sorrento Valley Double Track Project. The project consists of construction of a second rail track extending the railroad double tracks from Sorrento Valley Station at MP 248.9 northwest approximately 1 mile to MP 247.8. The purpose of the ISA was to document potential environmental concerns related to hazardous materials and/or hazardous wastes including oil/water separators, waste oil, polychlorinated biphenyls, asbestos- containing material, lead-based paint, aerially-deposited lead, and railroad related hazards.

University Avenue Pipeline, San Diego, California: Project Environmental Scientist performed an HMTS for the University Avenue Pipeline Replacement Project located in San Diego, California. The purpose of the HMTS was to document the presence of properties and areas of potential environmental concern, which may have been impacted by releases of hazardous materials and/or wastes within the project area, which have the potential to impact the project, in order to assist with project planning and preliminary design.

West Vista Way Sewer Project, Vista California: Project Environmental Scientist for an environmental and geotechnical evaluation for the West Vista Way Sewer project in Vista, California. The project included the installation of a 15- to 16-inch diameter sewer pipeline along West Vista Way and a 12-inch diameter sewer pipeline from Huff Street to Grapevine Road. Of particular concern was a section of sewer crossing beneath Emerald Drive where a shallow groundwater table and potential contamination was suspected due to the presence of nearby unauthorized releases from several gas stations.

REPRESENTATIVE PROJECT EXPERIENCE (continued)

San Diego County Regional Airport Authority, Naval Training Center Inactive Landfill, Assessment and Monitoring Activities, Diego, California: Provided environmental services associated with the remediation of the Naval Training Center Landfill, which included project coordination, semi-annual groundwater sampling of up to 26 wells in accordance with California Code of Regulations Title 27 and the Waste Discharge Requirements, data compilation, mapping landfill waste during excavation activities, and contractor health and safety monitoring during implementation of a burn ash management.

STEPHAN A. BECK, PG, HG, CEG, EM, REA II

PRINCIPAL ENVIRONMENTAL GEOLOGIST

EDUCATION

M.A., Geology, 1981, California State University, Fresno

B.A., Geology, 1976, University of California at Santa Barbara

REGISTRATIONS AND CERTIFICATIONS

PG 4375 (California)

CEG 1512 (California)

HG 126 (California)

REA I 2181 (California)

REA II 20110 (California)

PG 33080 (Arizona)

EM 1545 (Nevada)

PG 2234 (Wyoming)

OSHA 40-hour Health and Safety Training (with annual updates)

OSHA 8-hour Health and Safety Supervisor Training

County of San Diego Environmental Consultant Certification

Data Quality Objectives/Data Quality Assessment, 1997, Naval Facilities Engineering Service Center

Professional Certificate, Hazardous Materials Management, 1989, University of California at San Diego

Hydrogen Sulfide Safety, 1987, ESSE International, Inc.

EXPERIENCE HIGHLIGHTS

Caltrans, District 11 Contract

San Diego Unified Port District, Environmental Contract

County of San Diego Burnsite Contract

San Diego County Regional Airport Authority On-Call Contract

PROFESSIONAL AFFILIATIONS

International Society of Environmental Forensics

National Groundwater Association

San Diego Association of Geologists

San Diego Environmental Professionals

Mr. Beck's project experience includes soil, soil vapor, sediment, sludge, surface water, groundwater and soil vapor surface and subsurface site assessments, hazardous building materials, human health and ecological risk assessments, remedial design, and remedial/removal actions involving volatile and semi-volatile organic compounds, polychlorinated biphenyls, metals, refined petroleum products, and pesticides, underground storage tanks, radiological surveys, and various phases of hydrologic/groundwater supply projects. Other experience includes site assessment investigations for real estate transfers, including Navy property, school sites, power and coal gasification plants, Brownfields, pipeline, transportation and railroad rights-of-way, regulatory compliance involving U.S. Environmental Protection Agency, California Department of Toxic Substances Control, California Fish and Game Department, Regional Water Quality Control Board, Department of Health Services, Air Pollution Control District, California Integrated Waste Management Board, State Water Resources Control Board, and California Coastal Commission, environmental construction management services, characterization at NPL sites, RCRA, SARA, CERCLA, TSCA, CWA, SWDA, and CIWMB projects, technical studies for inclusion in CEQA/NEPA documents, preliminary endangerment assessments, expert witness and litigation support, enhanced oil recovery projects, and extensive drilling in the U.S. and abroad.

REPRESENTATIVE PROJECT EXPERIENCE

Metropolitan Transit Development Board, On-Call 5-Year Environmental Services Contract, San Diego County, California Contract Manager and Principal Environmental Geologist for this on-call contract. Mr. Beck's services have included third party review, regulatory liaison, site assessments, permitting, stormwater compliance, construction management services, hazardous materials management and disposal, and lead and asbestos abatement oversight. Most recently, Mr. Beck has been integrally involved in the Mission Valley East Light Rail Extension project, providing critical senior technical expertise and quality review on stormwater pollution prevention protocols.

San Diego City Schools, As Needed Environmental Consulting Services Contract, San Diego, California: Principal-in-Charge, Technical Advisor, and QA/QC Manager for Phase I Environmental Site Assessments (ESA) at 13 proposed and existing elementary, middle, and high school sites within the jurisdiction of the San Diego Unified School District (SDUSD). The proposed sites included properties with existing commercial, industrial, and residential land uses. Phase II ESAs were also conducted on 9 existing SDUSD school sites and 2 proposed SDUSD school sites. Mr. Beck also provided technical input and report preparation assistance regarding implementation of Remedial Action Workplans at several of the sites to cleanup lead and organochlorine pesticides in soil. This work was performed under the direction of the California Department of Toxic Substances Control.

County of San Diego Burnsite and Landfill Engineering Services As-Needed Contract, Various Locations, San Diego County, California: Principal-in-Charge and Technical Advisor for an on-call environmental services to the County of San Diego Department of Public Works as part of its three year, $500,000, Burn Site and Landfill Engineering Services As-Needed Contract. The general scope of work for this contract focuses on conducting investigations and remedial action at County inactive solid waste disposal sites, most of which are former burn sites. The specific engineering services required by the County include characterizing and delineating former burn sites; preparing landfill closure and post-closure maintenance plans; preparing construction plans, specifications, and cost estimates for landfill maintenance projects; implementing remedial action plans, preparing of health and safety plans; value engineering; and assistance during the bidding process for construction activities.

REPRESENTATIVE PROJECT EXPERIENCE (continued)

Centre City Development Corporation (CCDC), On-call Environmental Consulting Services Contract, San Diego, California: Contract Manager and Principal Environmental Geologist on this on-call contract. Our services on this contract in the past years have included performing Phase I and Phase II Environmental Assessments on Downtown San Diego properties slated for purchase and redevelopment, third-party review of environmental consultants reports, and development and implementation of soil management protocols on construction sites within the CCDC jurisdiction. Mr. Beck performed complex third-party reviews and acted as Technical Liaison for the CCDC, working with stakeholders and regulators on complex urban redevelopment projects. As an example, Mr. Beck authored and has helped to implement the conclusions of a hazardous materials constraints analysis as part of the Downtown Community Plan Update and Master Environmental Impact Report. The analysis presented a summary of current downtown San Diego redevelopment trends in hazardous materials management from a regulatory and practical perspective, suggested methods that have proven effective in the identification, assessment, and mitigation of environmental issues, and provided general conclusions regarding the potential impact of hazardous materials releases on redevelopment in the 1500 acre downtown area. Mr. Beck was commended by the CCDC and other key downtown stakeholders for this concise and technically sound planning document.

San Diego Unified Port District, San Diego, California: Since 1994, Mr. Beck has been Program Director, Project Manager, Technical Advisor, and QA/QC Manager on numerous Port District on-call site assessment contracts involving Phase I due diligence, Phase II investigation, National Contingency Plan, Preliminary Endangerment Assessment, Remedial Investigation, Feasibility Studies, Risk Assessment, Public Participation Plans, Remedial Action Plans, NEPA/CEQA studies, and dealing with regulatory compliance issues and public concerns. Mr. Beck's involvement on such projects as the San Diego Convention Center Expansion and the Naval Training Center Landfill, has led to the swift and successful completion of these high profile, environmentally sensitive projects. Mr. Beck continues to provide technical input, QA/QC management, and regulatory liaison and negotiation for the former Campbell Shipyard remediation (landside and sediment), the East Parking Lot remediation of coal gasification wastes, the Tow Basin PCB remediation, and the assessment of contamination at the future Spinnaker Hotel site.

San Diego County Regional Airport Authority (SDCRAA) On-Call Services Agreement, San Diego, California: Principal Environmental Geologist for this contract, provided technical input and services to SDCRAA regarding environmental issues pertaining to airport operations, maintenance, construction, and expansion.. Mr. Beck also is Principal Environmental Geologist and Contract Manager for the environmental constraints study for the final alternative sites that will considered as potential locations for either a new airport or the expansion of existing facilities.

California Integrated Waste Management Board (CIWMB) Closed, Illegal and Abandoned Disposal Site Investigation Program, Various Locations, California: Principal-in-Charge and Technical Advisor for the Closed, Illegal and Abandoned (CIA) Site Investigation Program. This contract includes subsurface investigations of illegal disposal sites, solid waste disposal and co disposal sites where further site characterization is necessary for monitoring, enforcement action, or site cleanup. Investigations have included excavating and logging trenches and test pits and drilling borings to characterize subsurface materials, delineation of the extent of burned wastes or other buried wastes to evaluate recommended remedial action. The disposal site projects have all been sites where there has been an identified potential risk to human health and the environment.

NTC Inactive Landfill, San Diego, California: Principal-in-Charge and Technical Advisor for the Naval Training Center Inactive Landfill. The project involved identifying, delineating and characterizing buried wastes, a geotechnical investigation, evaluating remedial action alternatives, providing cost estimates for implementing corrective action, extensive interfacing with the client, RWQCB, CIWMB and other agencies, and presentation of data at various meetings and to technical advisory boards. A subsequent subsurface investigation to delineate the extent of burned wastes within the site and in outlying areas and to characterize the burn material in accordance with LEA requirements. Principal reviewer of the remedial action plan to clean close the site by removing the wastes and affected media.

Chula Vista Bayfront Master Plan EIR, Chula Vista, California: Principal Environmental Geologist for a hazardous materials technical study (HMTS) for the Chula Vista Bayfront Master Plan. The technical report will be utilized in the preparation of an Environmental Impact Report (EIR), and is not intended for the purpose of design or construction. The project area consists of a number of parcels along the bayfront in the city of Chula Vista, California totaling approximately 550 acres under the ownership and jurisdiction of the San Diego Unified Port District (Port), including land acquired from B.F. Goodrich, vacant and underutilized areas, and the existing South Bay Power Plant parcel. Mr. Beck's services included review of maps, reports and other environmental documents pertaining to the site; review regulatory agency databases for the site and for properties located within a 1,000-foot radius of the project area; and review of a HMTS report documenting findings and providing opinions and recommendations regarding possible environmental impacts to the project area.